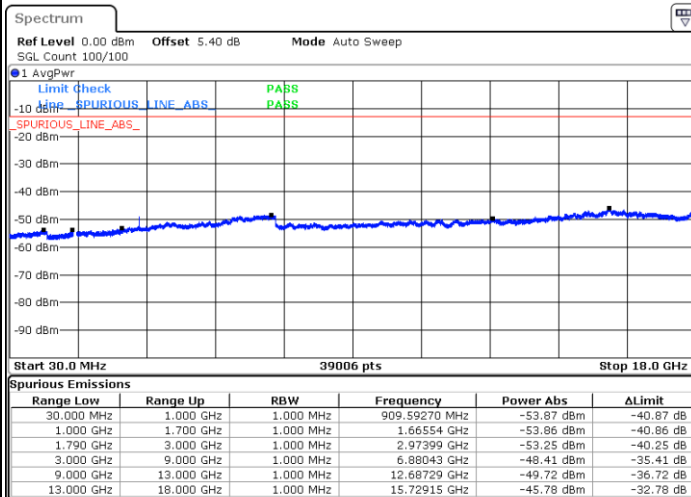




Conducted Spurious Emission

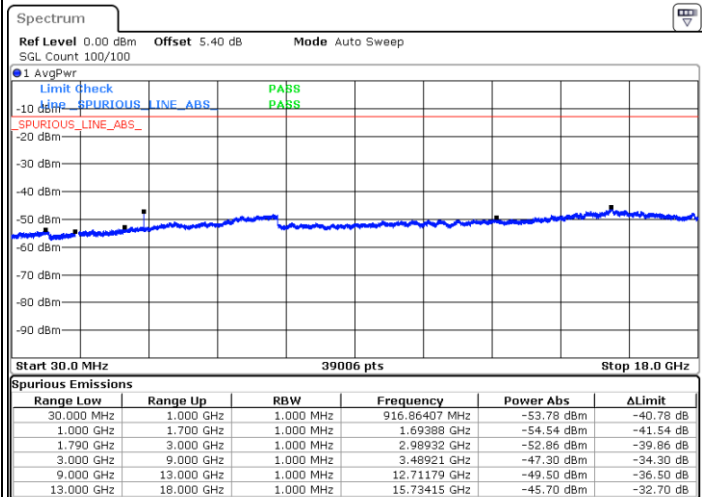
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



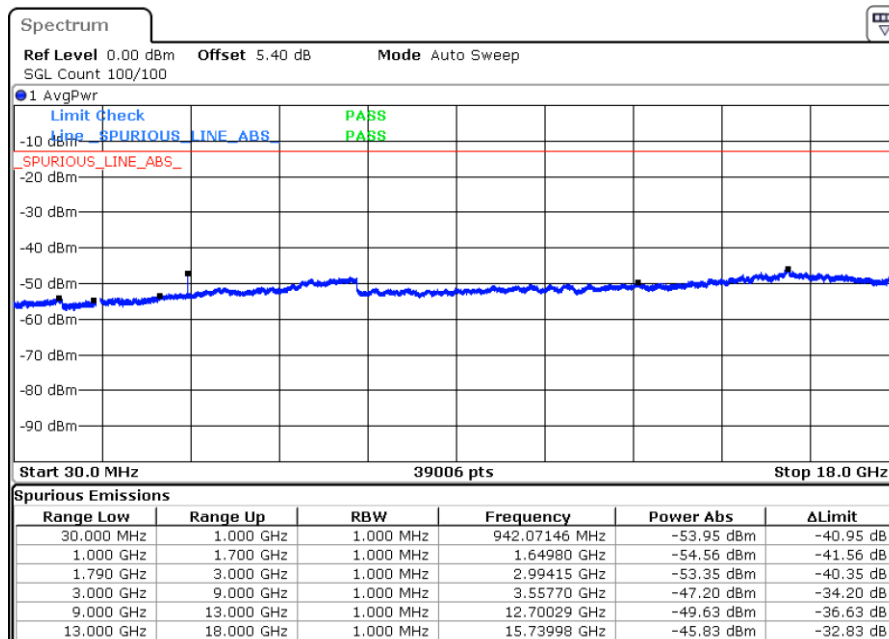
Date: 24.SEP.2022 03:36:22

Middle Channel / QPSK



Date: 24.SEP.2022 03:52:47

Highest Channel / QPSK

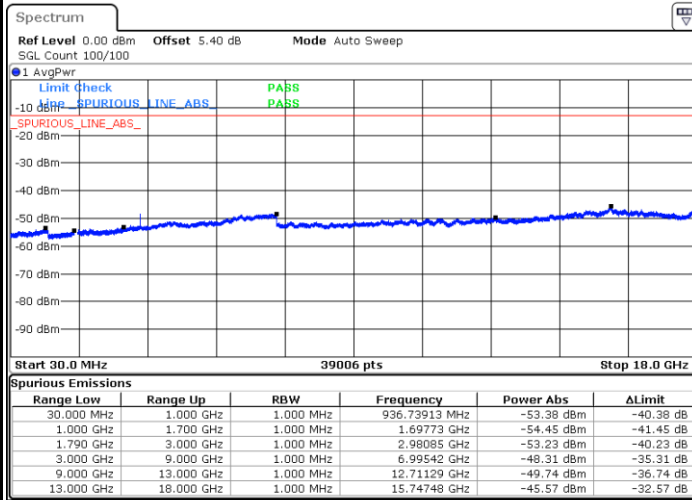


Date: 24.SEP.2022 03:54:10



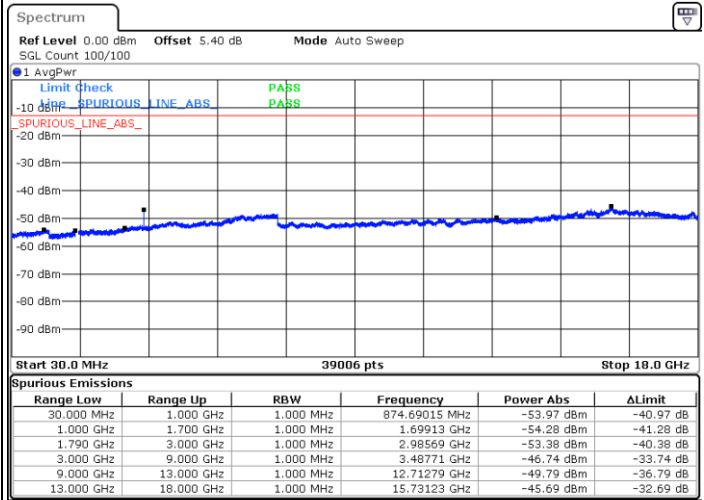
LTE Band 66 / 3MHz

Lowest Channel / QPSK



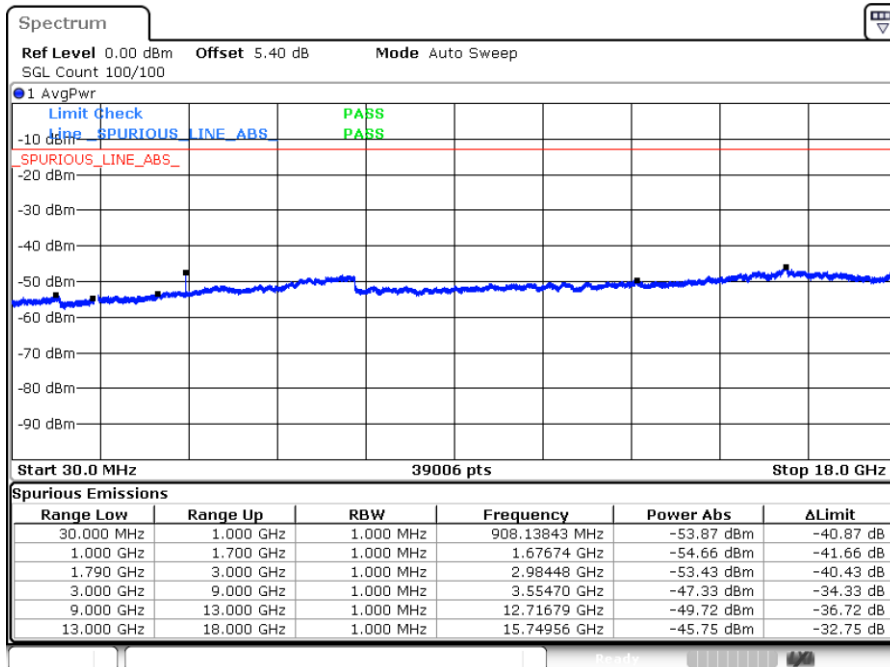
Date: 24.SEP.2022 04:20:51

Middle Channel / QPSK



Date: 24.SEP.2022 04:30:58

Highest Channel / QPSK

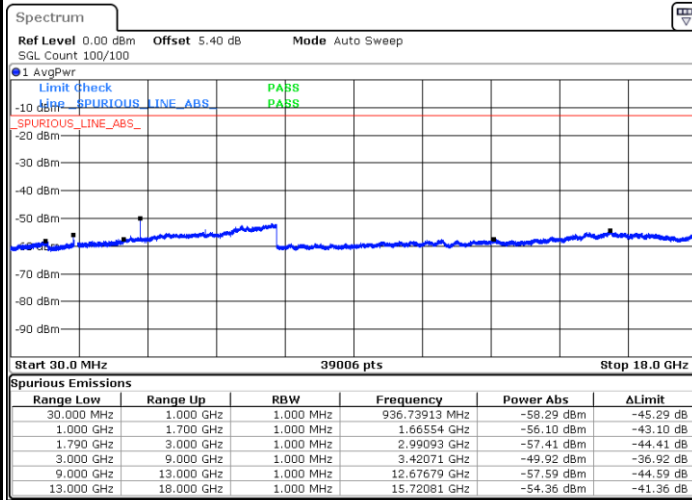


Date: 24.SEP.2022 04:32:05



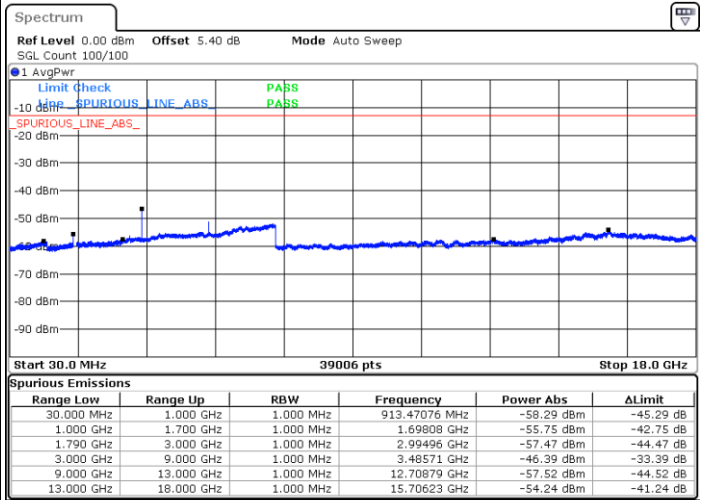
LTE Band 66 / 5MHz

Lowest Channel / QPSK



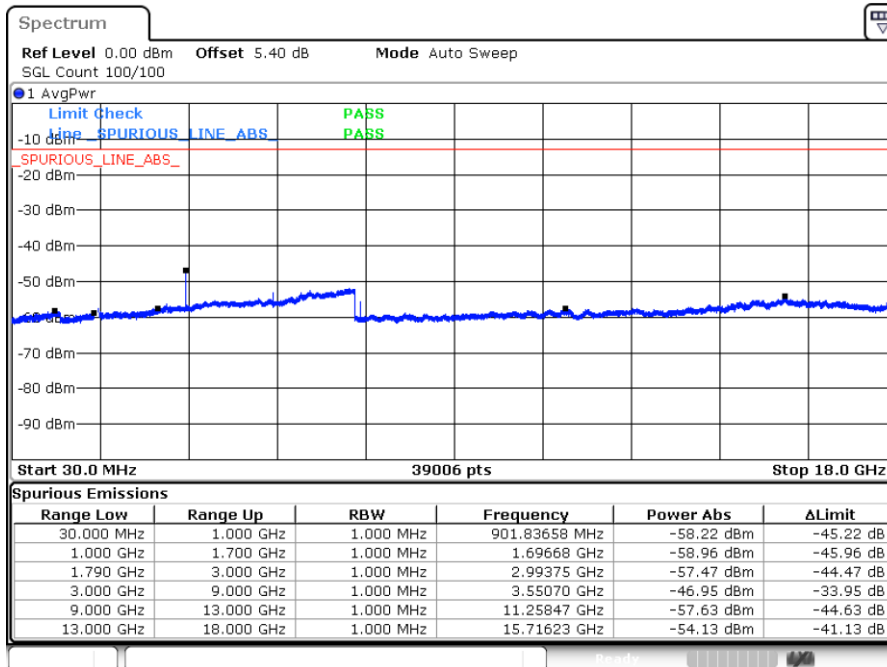
Date: 24.SEP.2022 04:40:52

Middle Channel / QPSK



Date: 24.SEP.2022 04:53:46

Highest Channel / QPSK

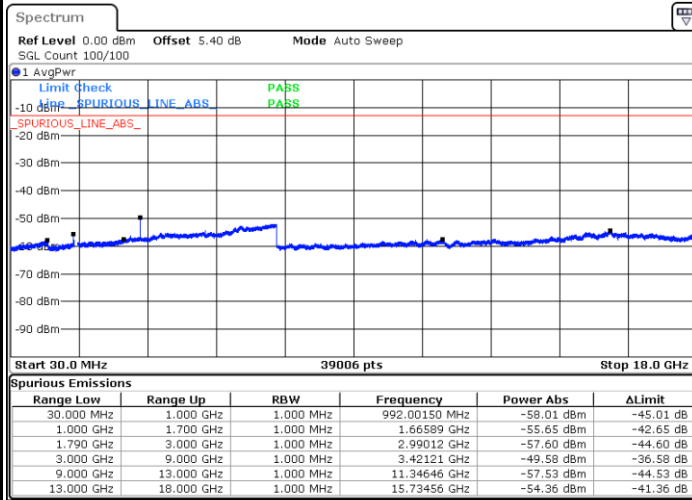


Date: 24.SEP.2022 04:54:53



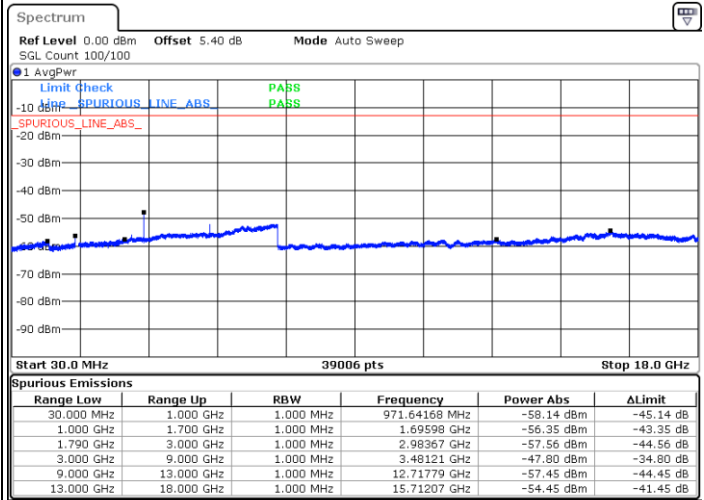
LTE Band 66 / 10MHz

Lowest Channel / QPSK



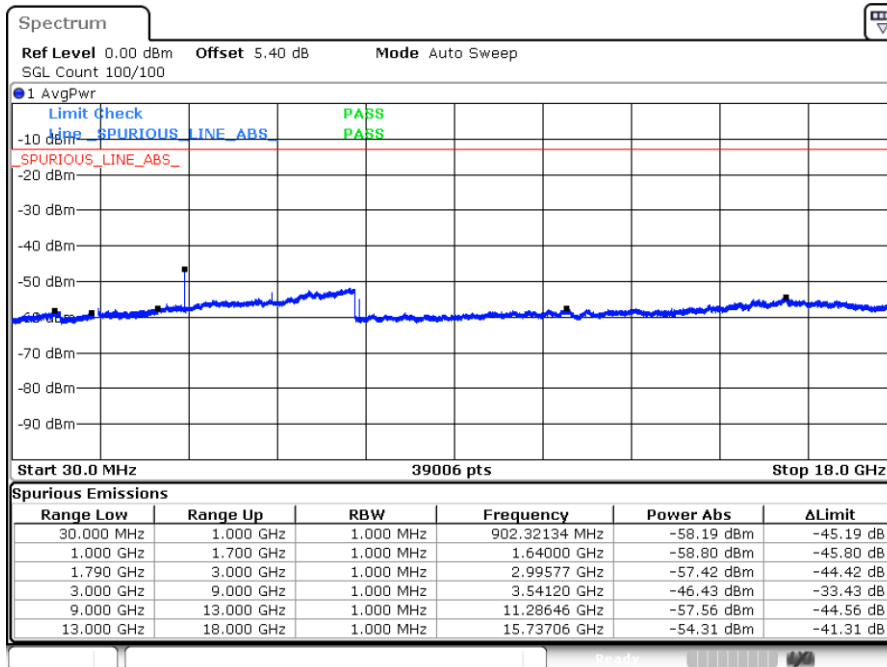
Date: 24.SEP.2022 13:18:48

Middle Channel / QPSK



Date: 24.SEP.2022 13:26:39

Highest Channel / QPSK

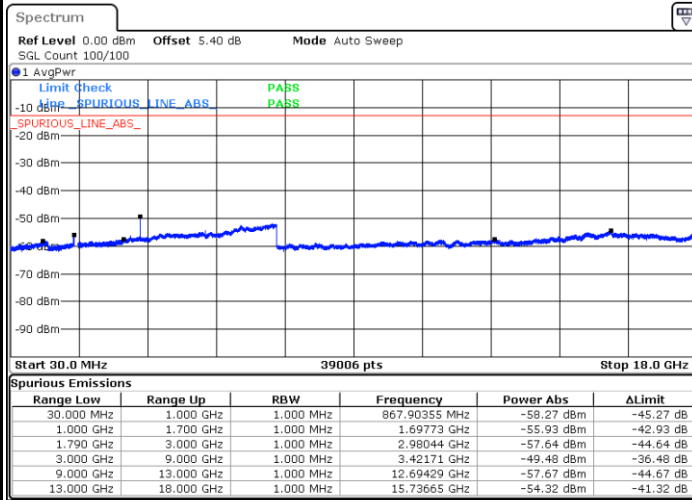


Date: 24.SEP.2022 13:28:12



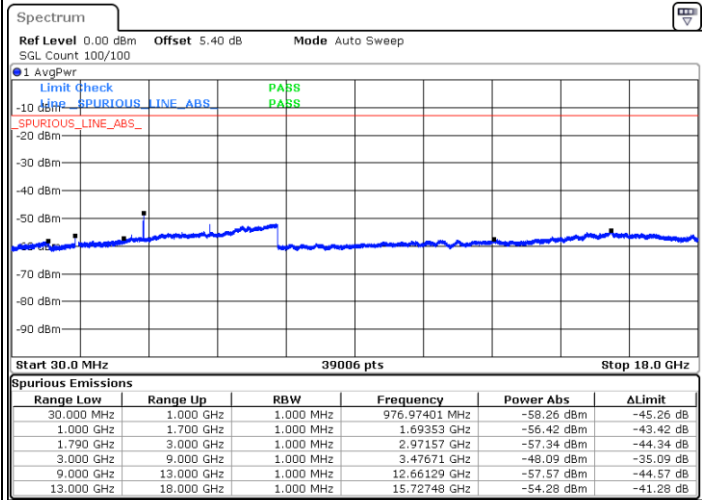
LTE Band 66 / 15MHz

Lowest Channel / QPSK



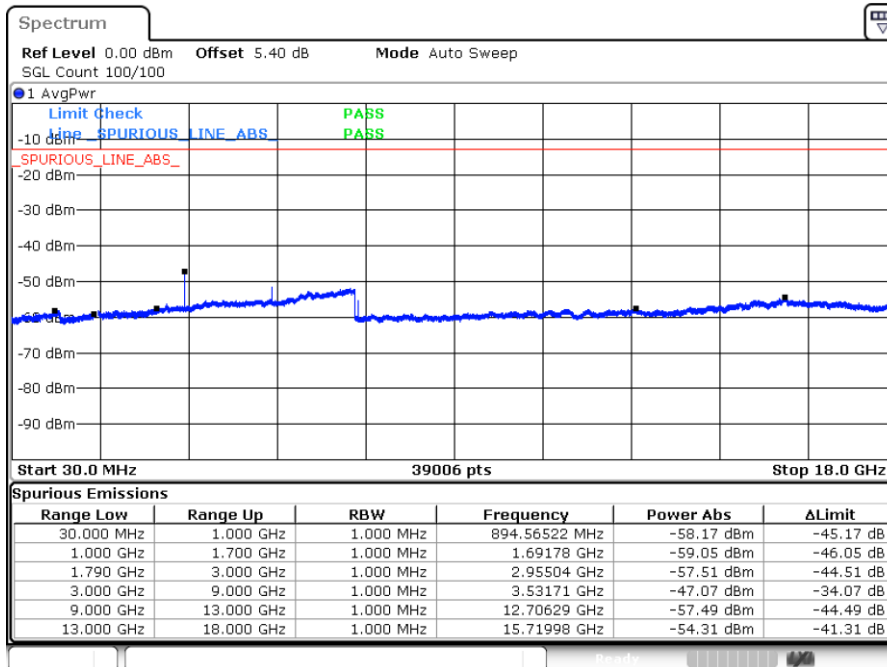
Date: 24.SEP.2022 13:43:42

Middle Channel / QPSK



Date: 24.SEP.2022 13:42:08

Highest Channel / QPSK

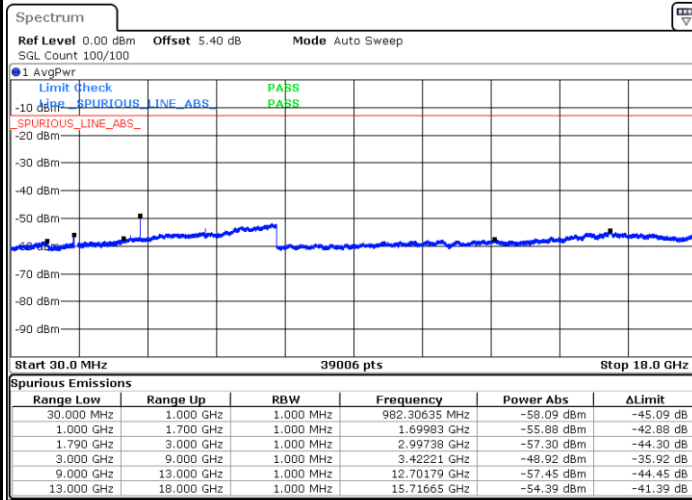


Date: 24.SEP.2022 14:16:33



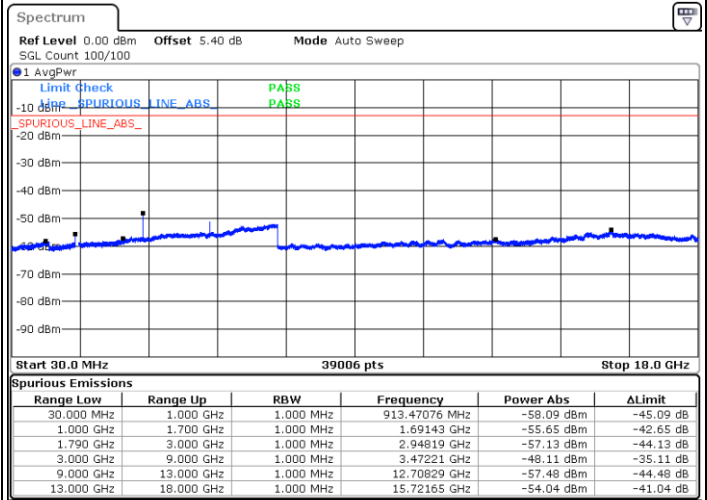
LTE Band 66 / 20MHz

Lowest Channel / QPSK



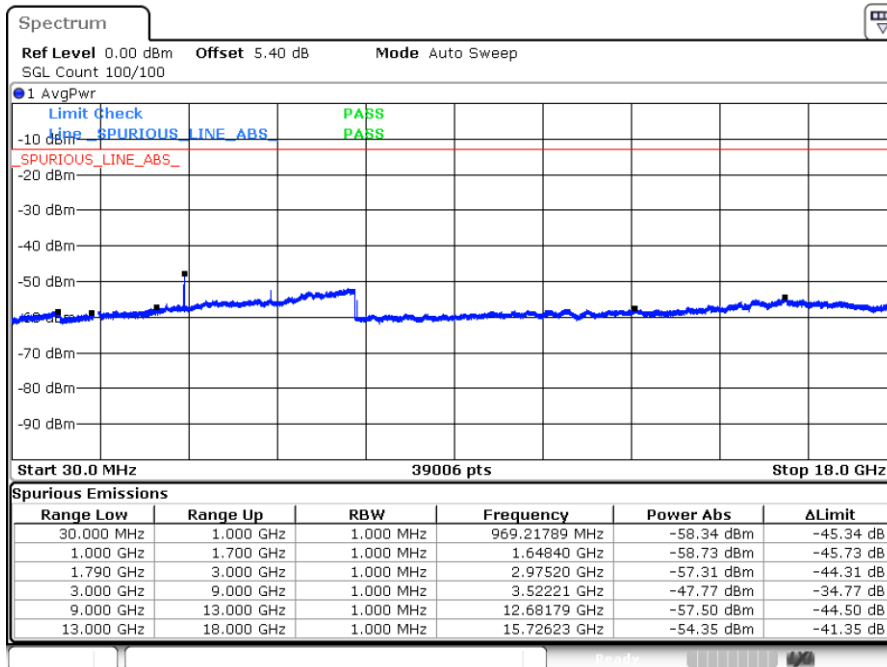
Date: 24.SEP.2022 14:30:29

Middle Channel / QPSK



Date: 24.SEP.2022 14:31:56

Highest Channel / QPSK



Date: 24.SEP.2022 14:42:13

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

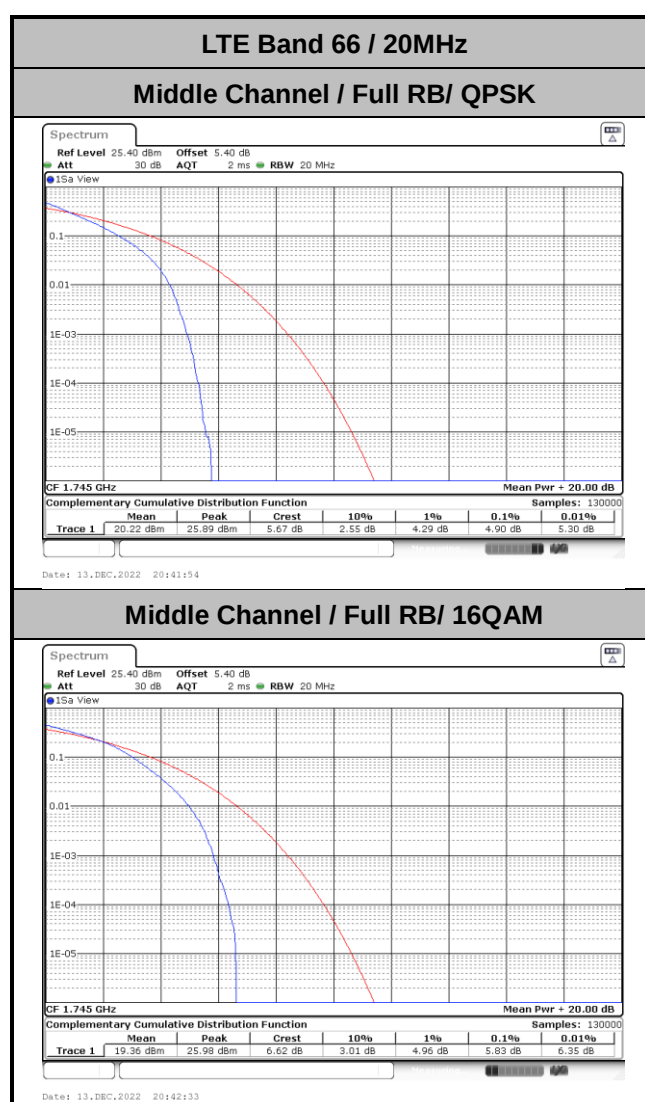
Note:

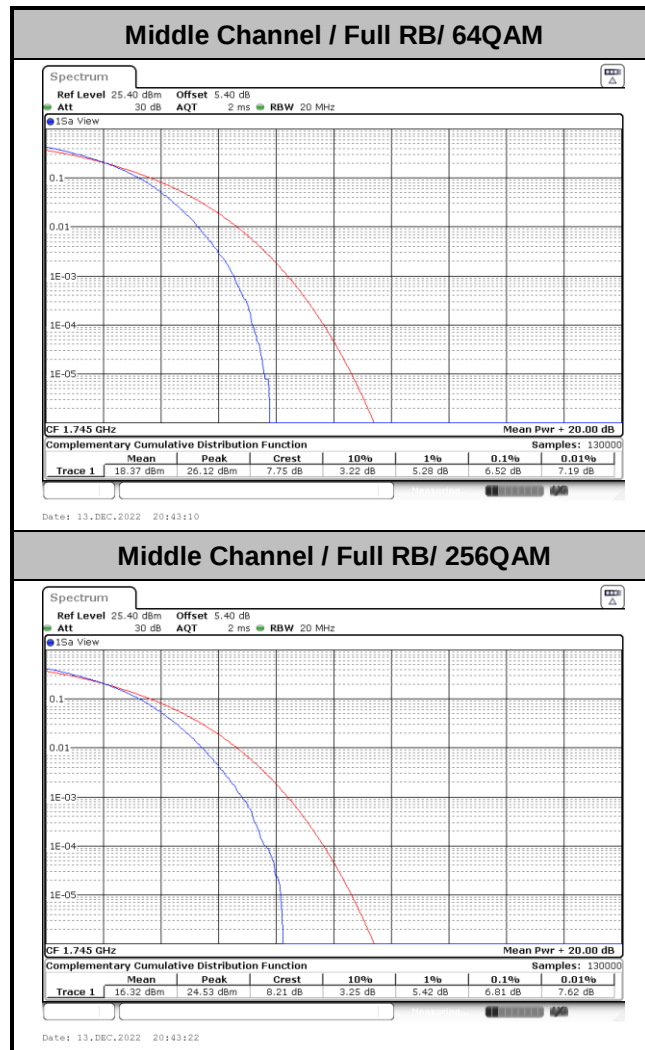
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 66-Other PA

Peak-to-Average Ratio

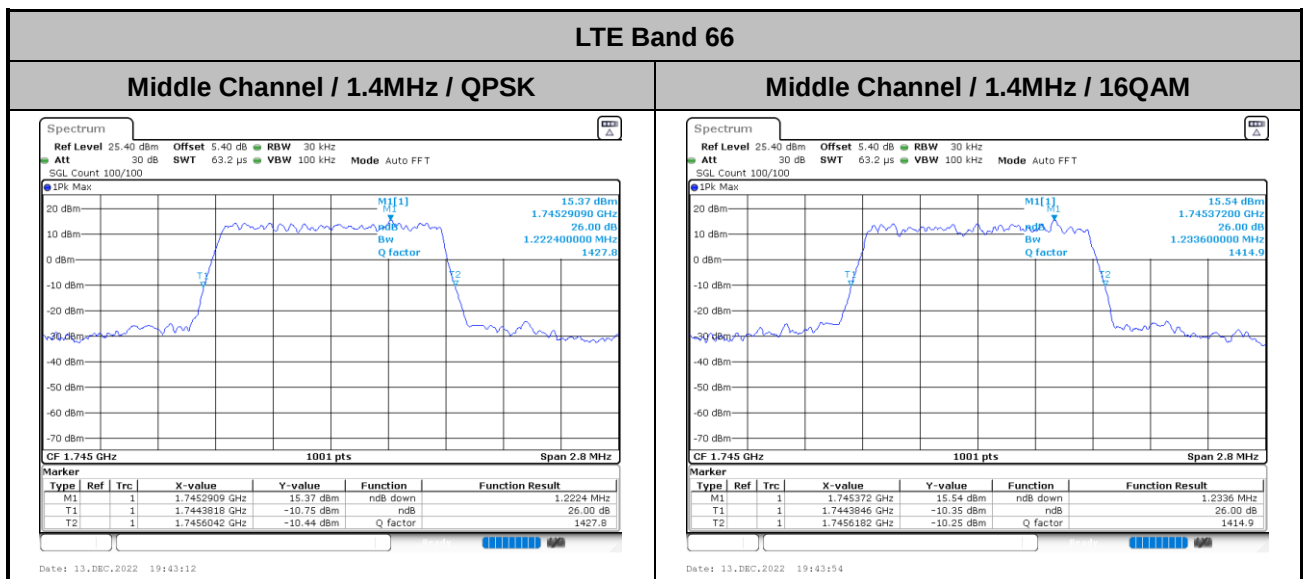
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.83	6.52	6.81	PASS





**26dB Bandwidth**

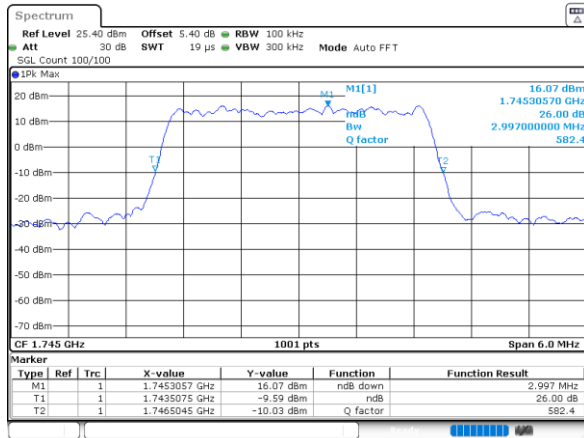
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.22	1.23
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.00	3.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.84	4.92
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.77
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.48	14.54
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.18	20.18



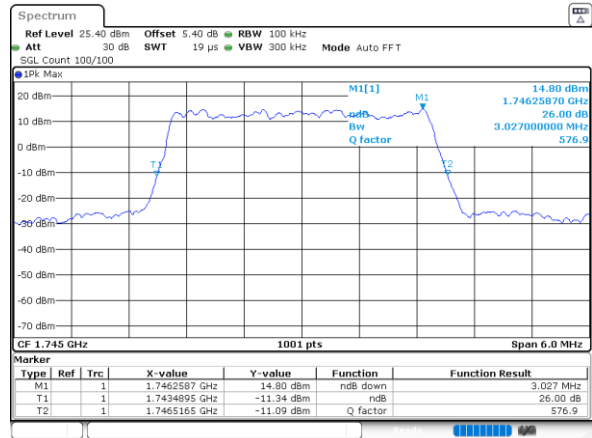


LTE Band 66

Middle Channel / 3MHz / QPSK

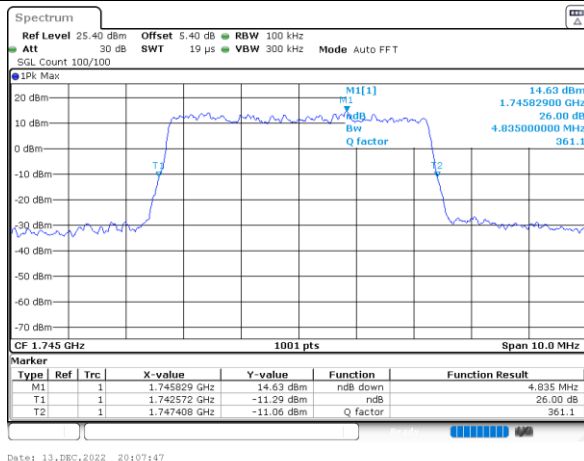


Middle Channel / 3MHz / 16QAM

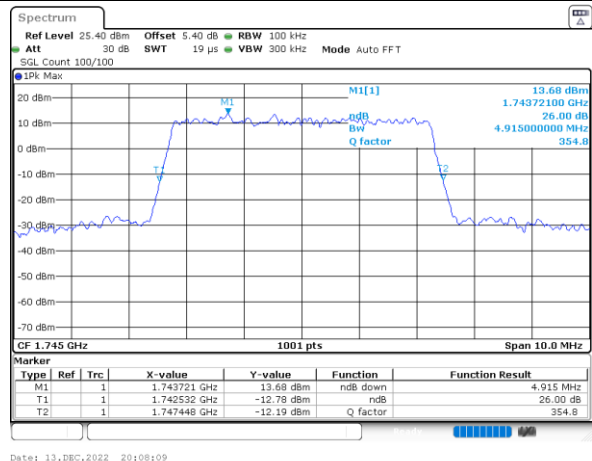


LTE Band 66

Middle Channel / 5MHz / QPSK

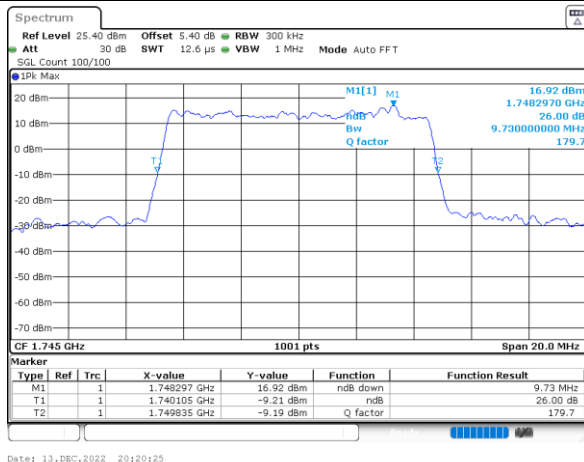


Middle Channel / 5MHz / 16QAM

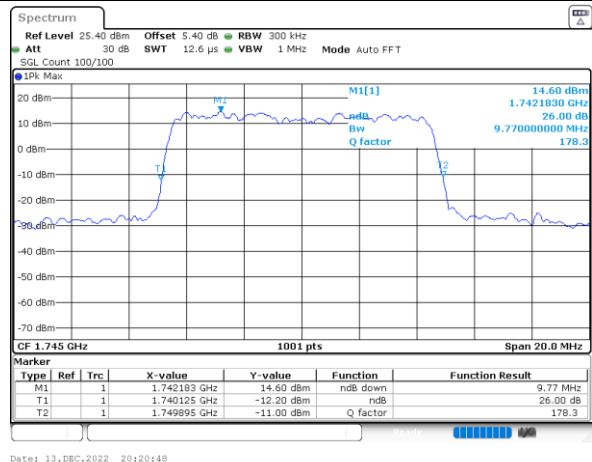


LTE Band 66

Middle Channel / 10MHz / QPSK



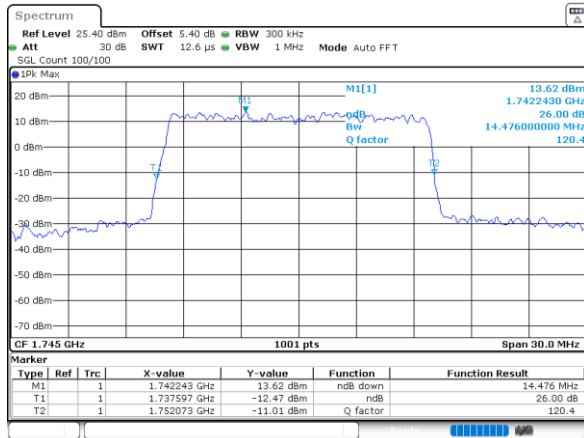
Middle Channel / 10MHz / 16QAM





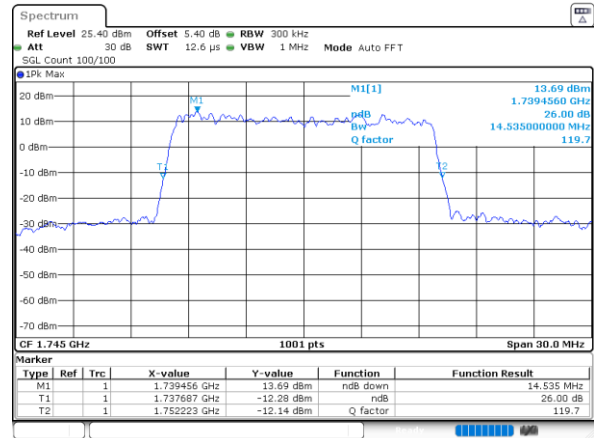
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 13.DEC.2022 20:32:24

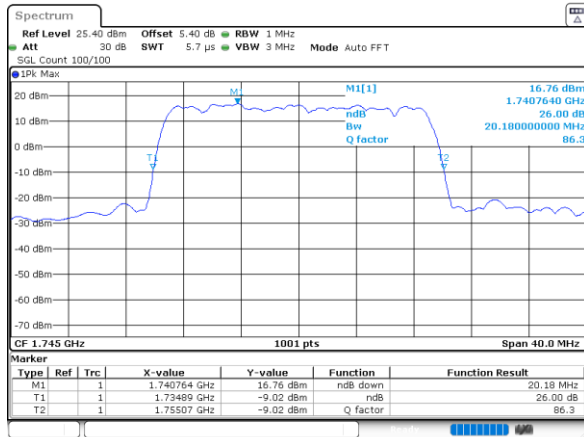
Middle Channel / 15MHz / 16QAM



Date: 13.DEC.2022 20:32:46

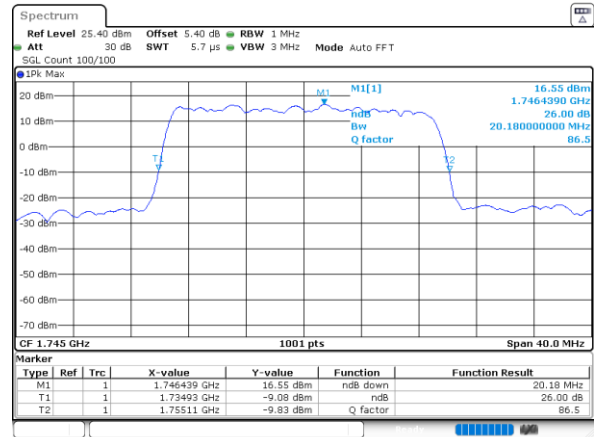
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 13.DEC.2022 20:42:14

Middle Channel / 20MHz / 16QAM

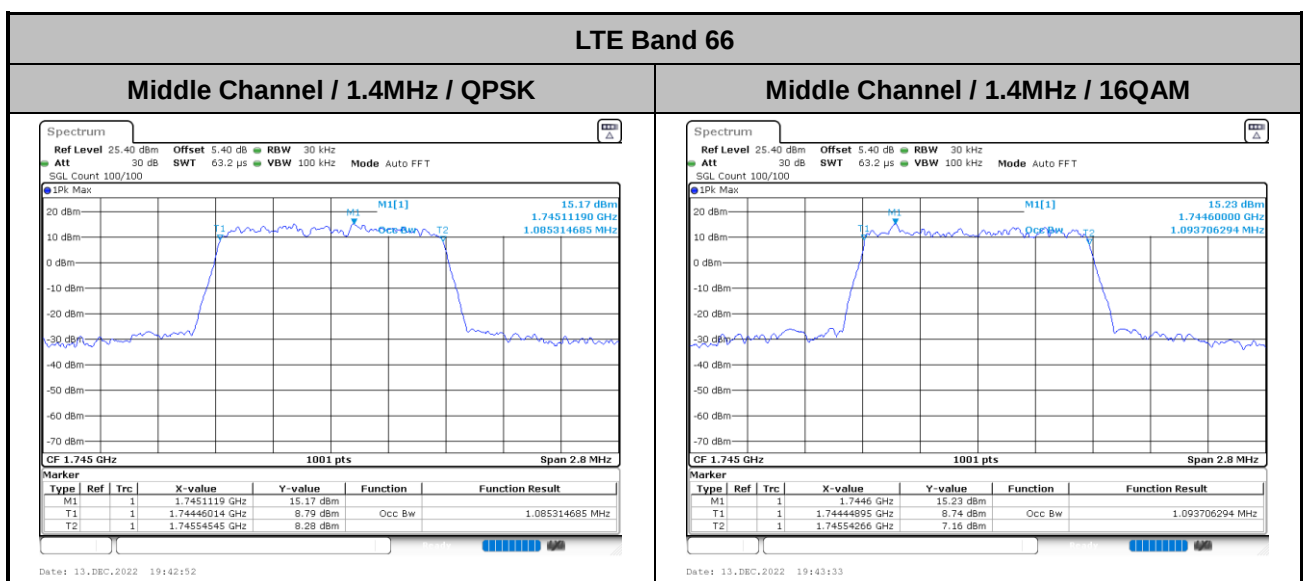


Date: 13.DEC.2022 20:42:54



Occupied Bandwidth

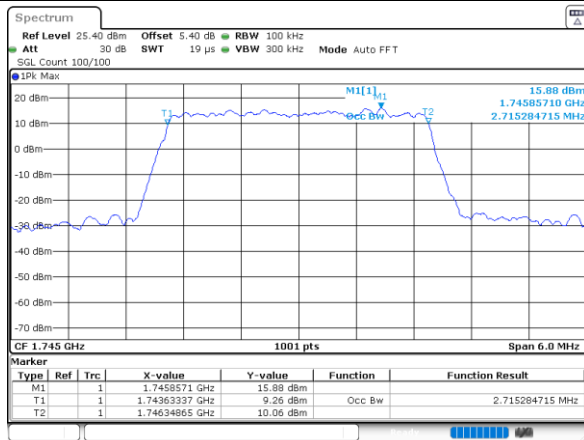
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.37
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.34	18.50



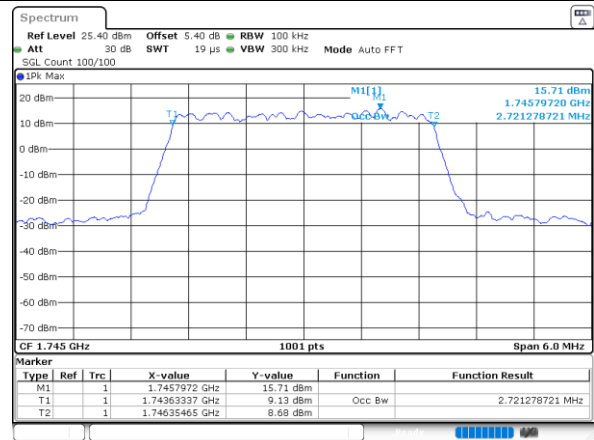


LTE Band 66

Middle Channel / 3MHz / QPSK

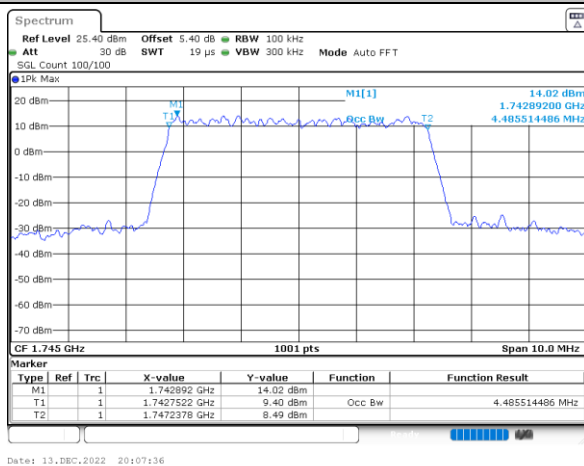


Middle Channel / 3MHz / 16QAM

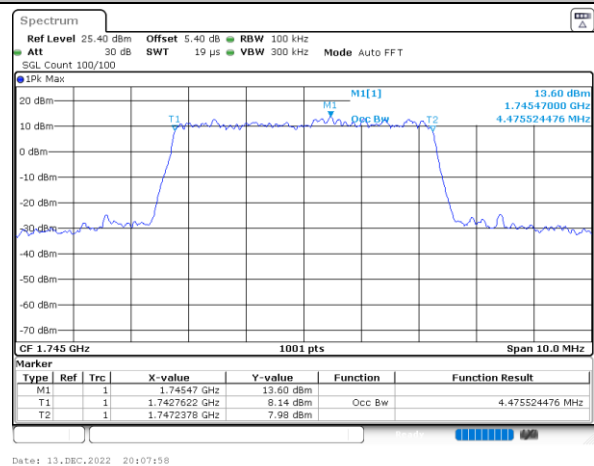


LTE Band 66

Middle Channel / 5MHz / QPSK

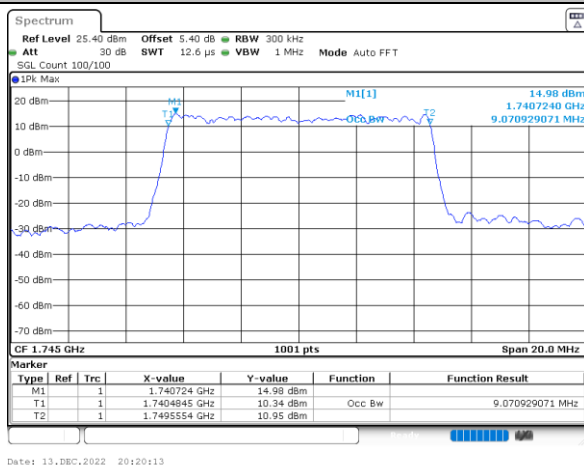


Middle Channel / 5MHz / 16QAM

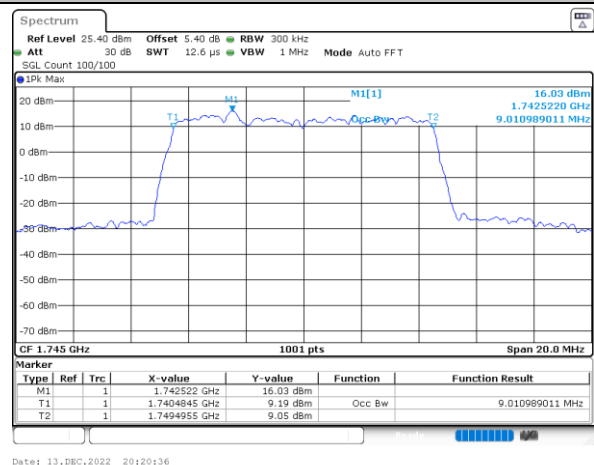


LTE Band 66

Middle Channel / 10MHz / QPSK



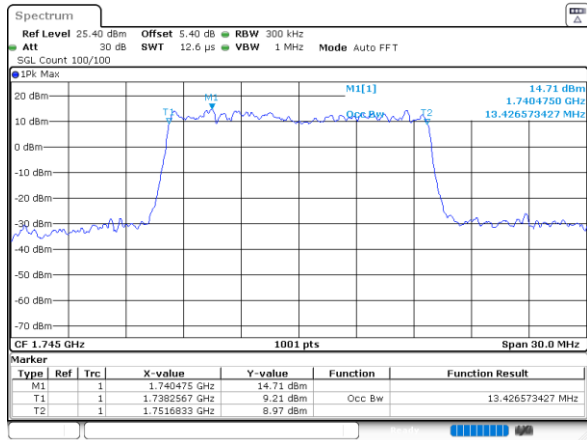
Middle Channel / 10MHz / 16QAM



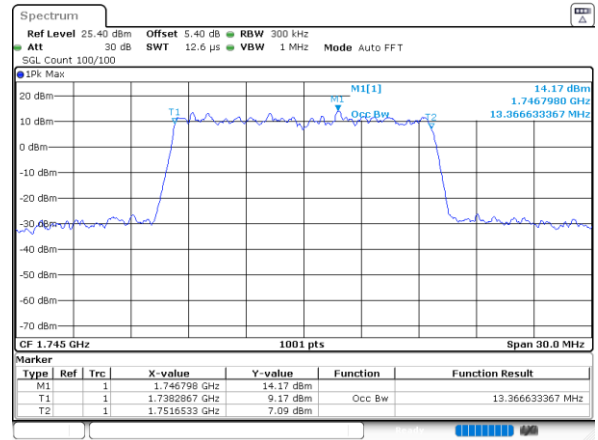


LTE Band 66

Middle Channel / 15MHz / QPSK

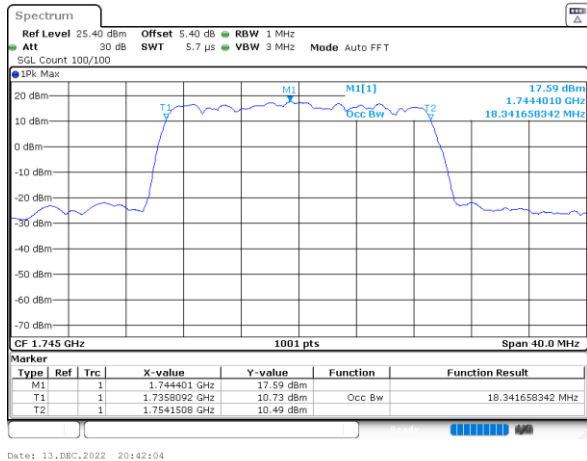


Middle Channel / 15MHz / 16QAM

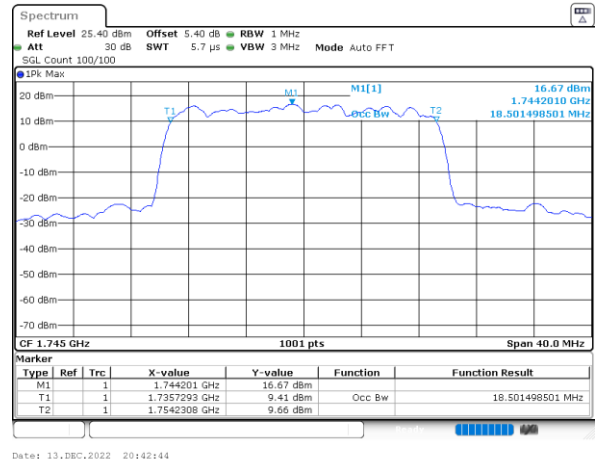


LTE Band 66

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

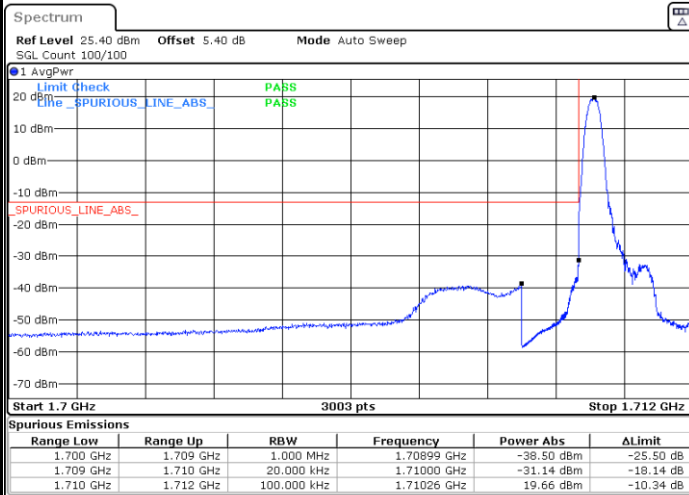




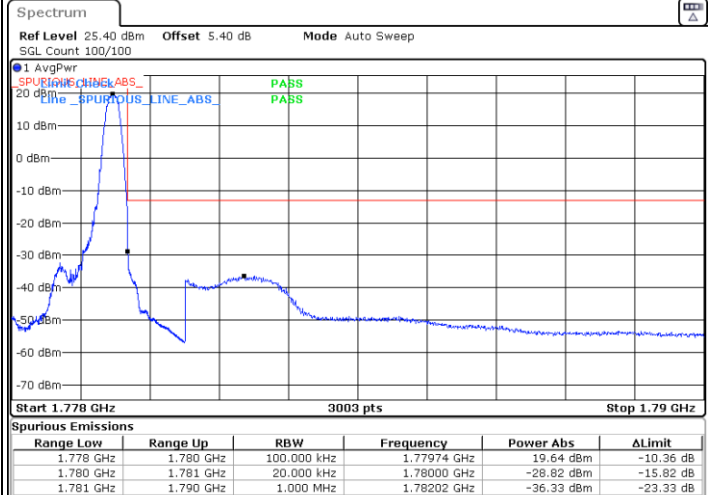
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

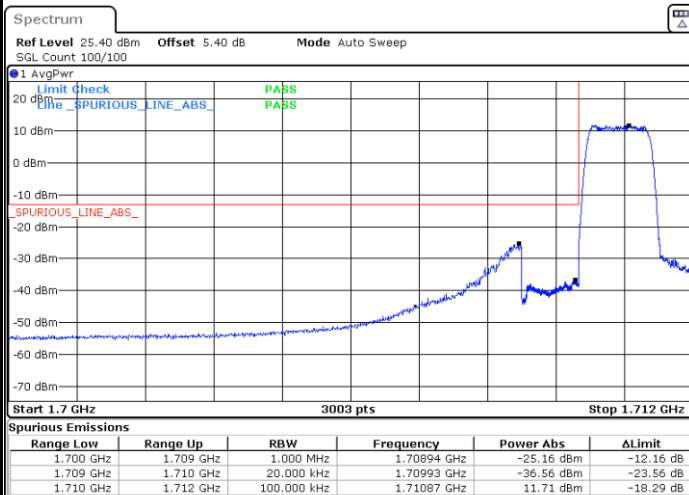
Lowest Band Edge / 1RB



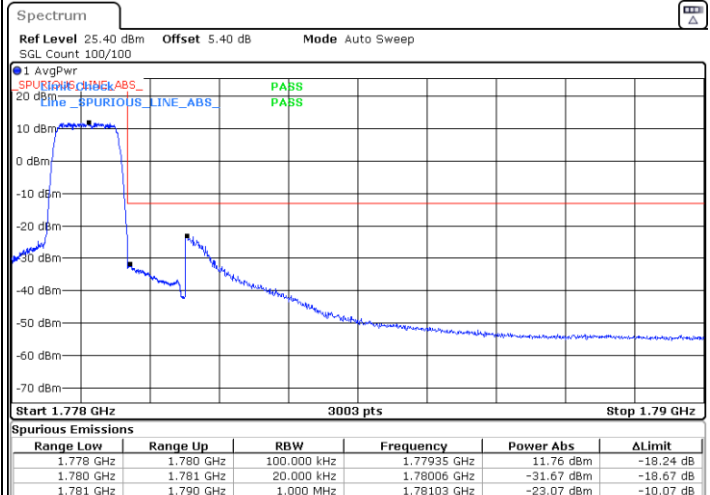
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



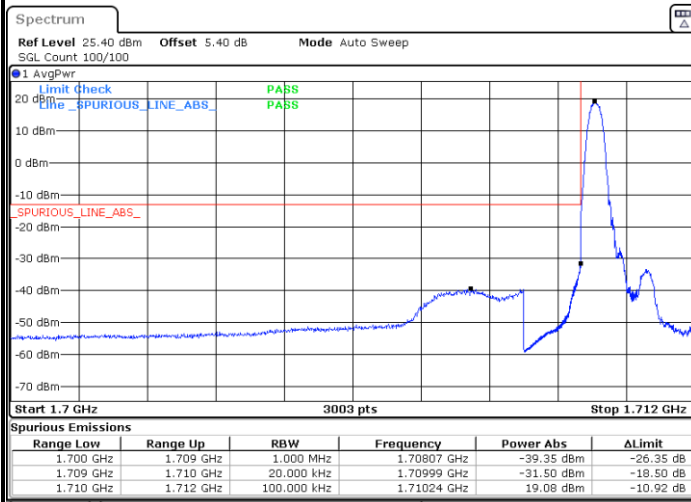
Highest Band Edge / Full RB



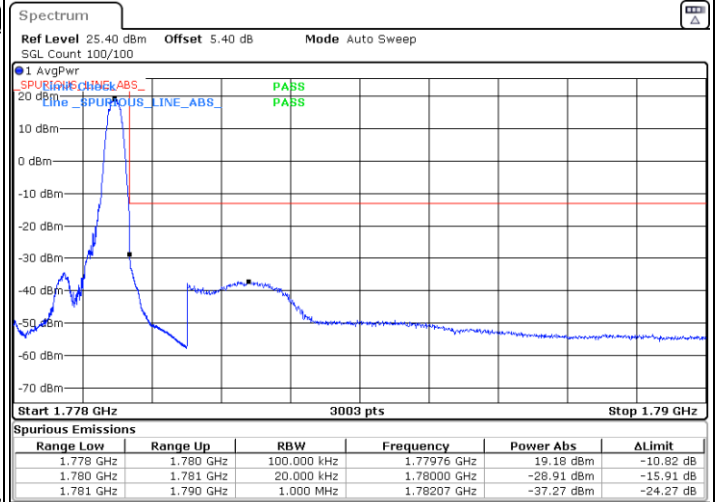


LTE Band 66 / 1.4MHz / 16QAM

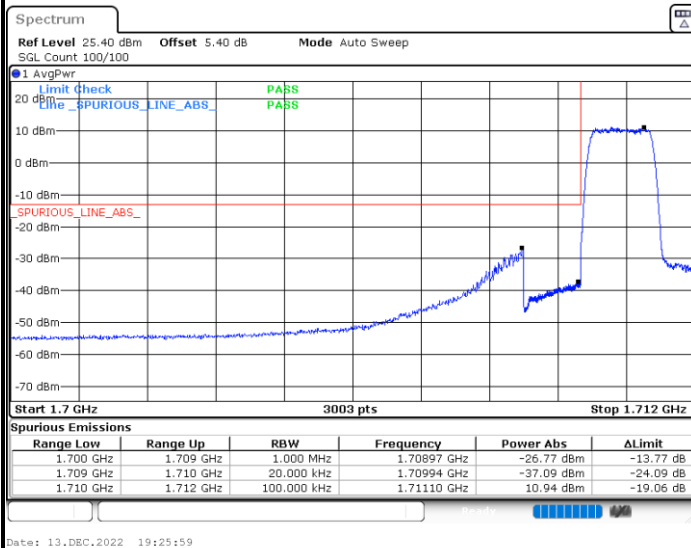
Lowest Band Edge / 1 RB



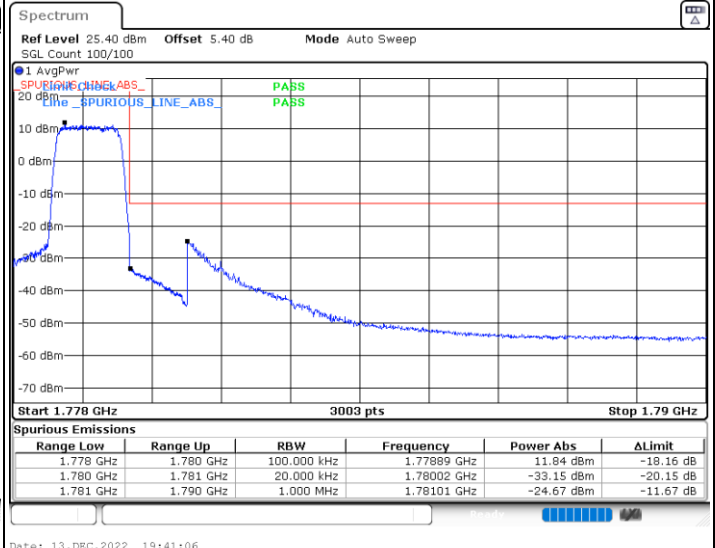
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



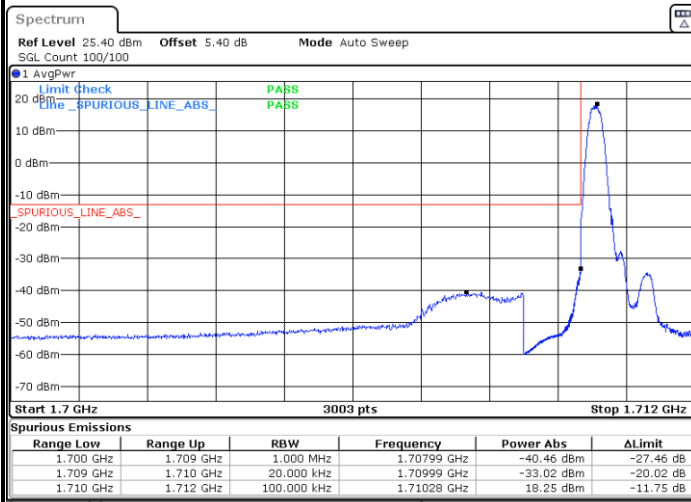
Highest Band Edge / Full RB



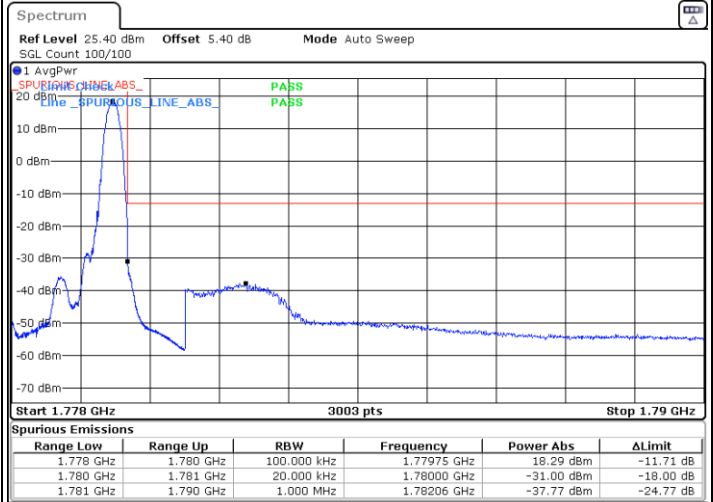


LTE Band 66 / 1.4MHz / 64QAM

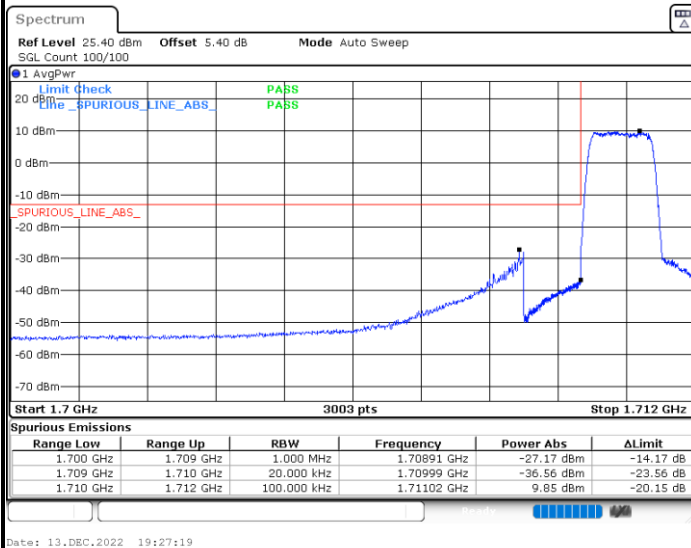
Lowest Band Edge / 1 RB



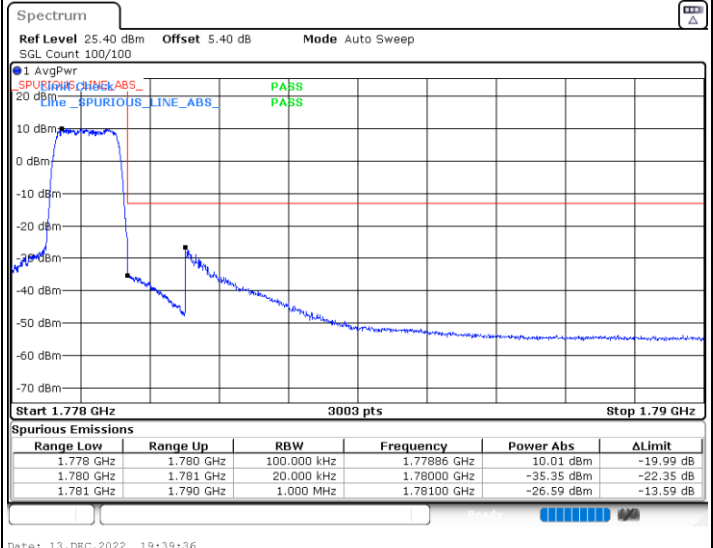
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



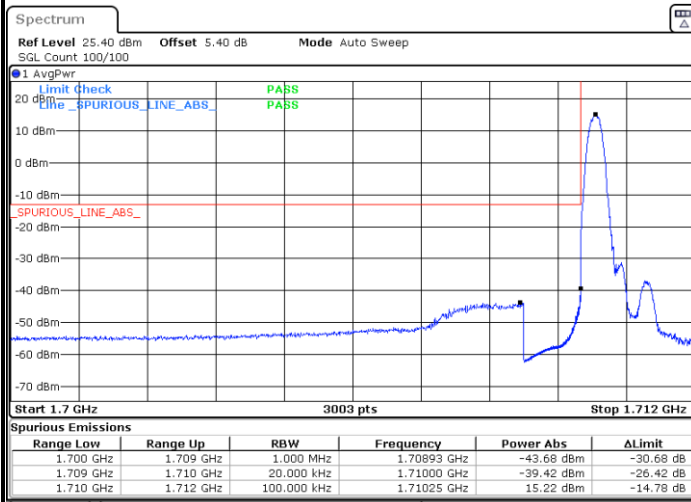
Highest Band Edge / Full RB



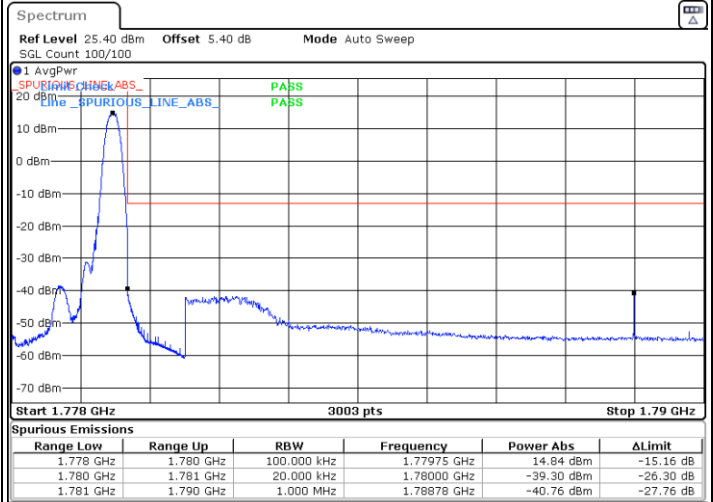


LTE Band 66 / 1.4MHz / 256QAM

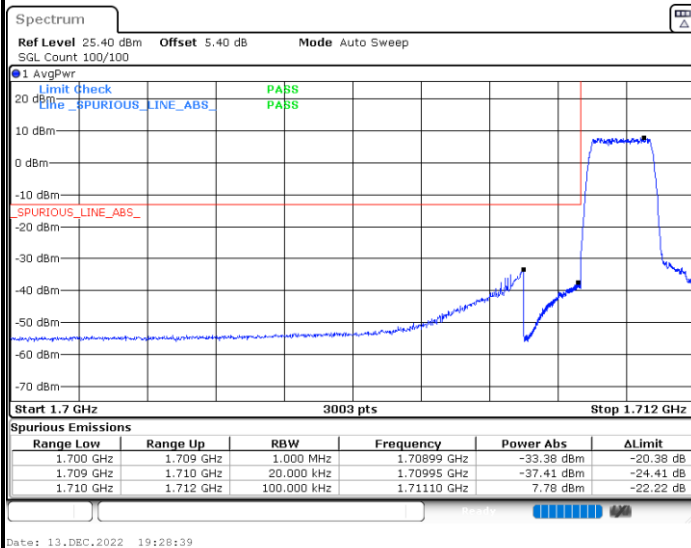
Lowest Band Edge / 1 RB



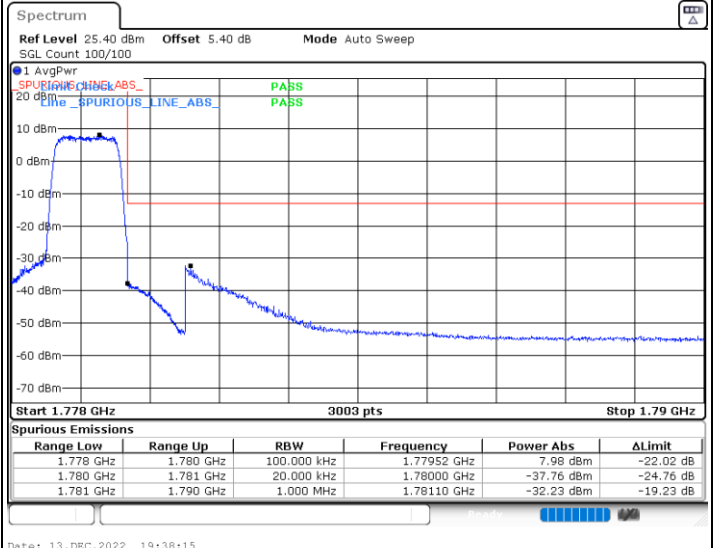
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



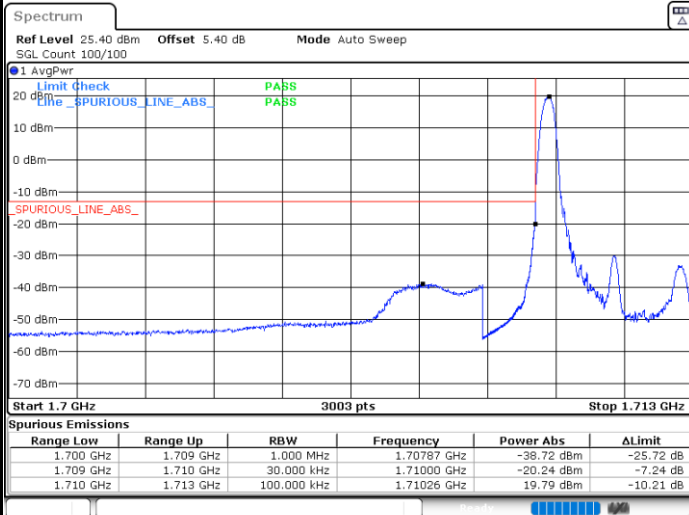
Highest Band Edge / Full RB



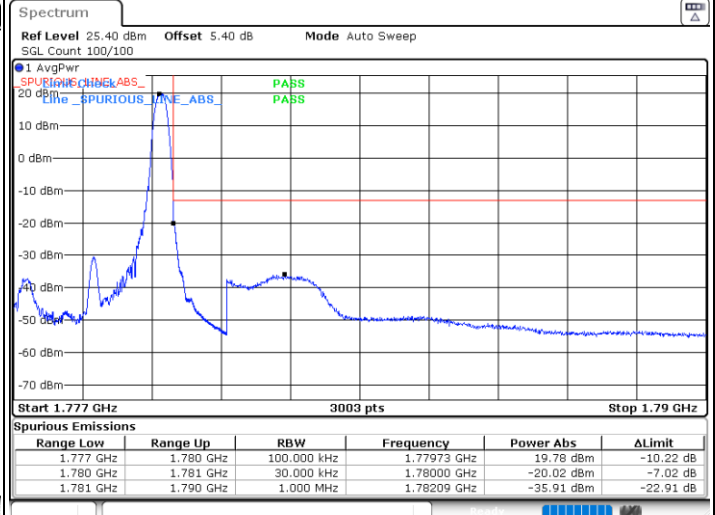


LTE Band 66 / 3MHz / QPSK

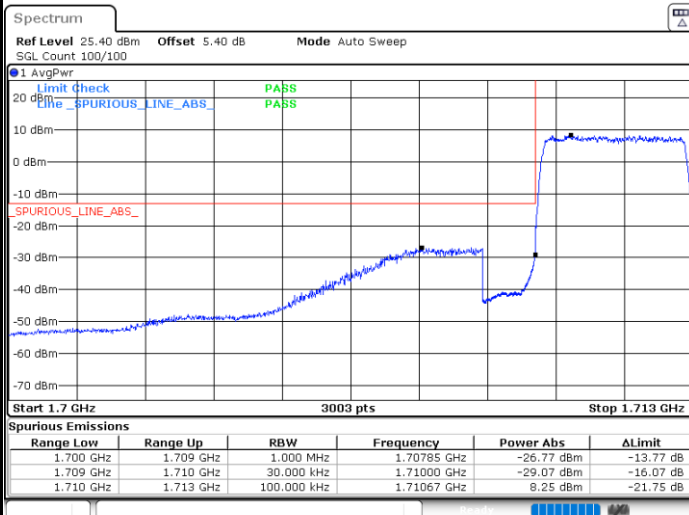
Lowest Band Edge / 1RB



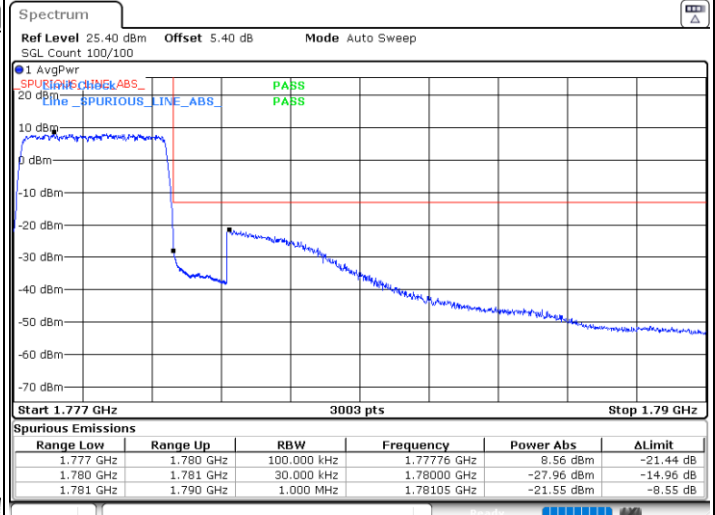
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



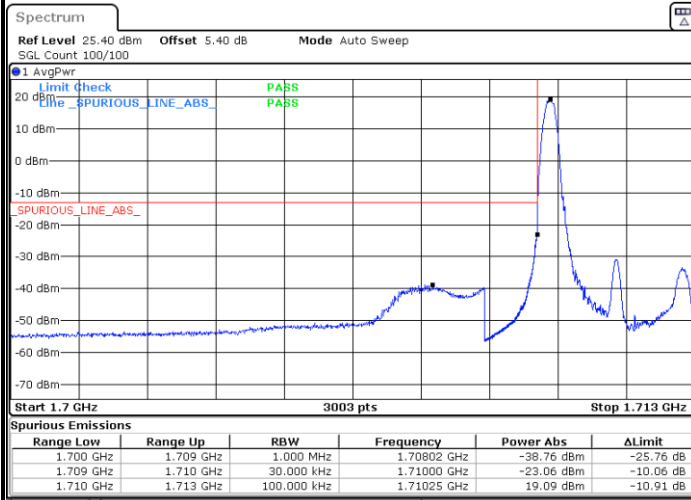
Highest Band Edge / Full RB



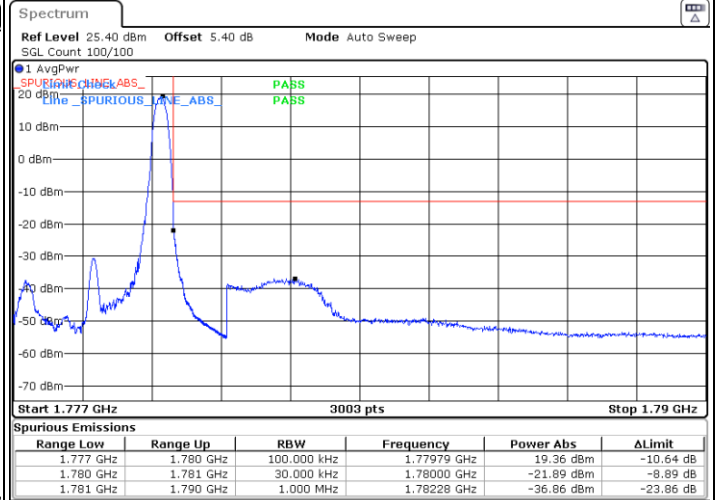


LTE Band 66 / 3MHz / 16QAM

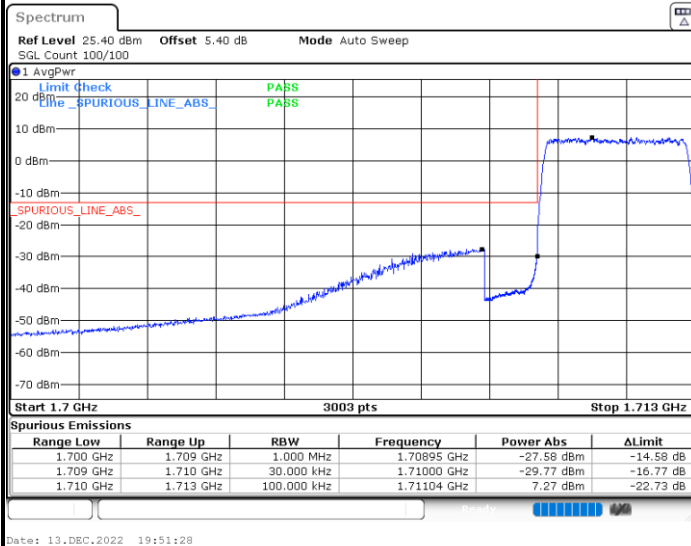
Lowest Band Edge / 1 RB



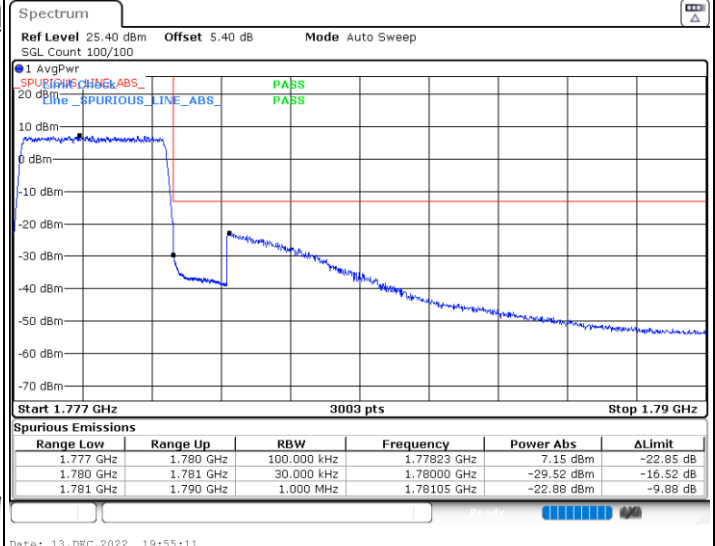
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



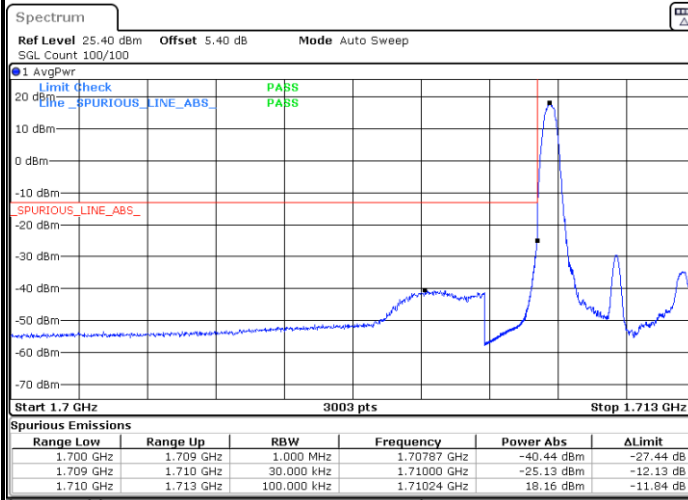
Highest Band Edge / Full RB



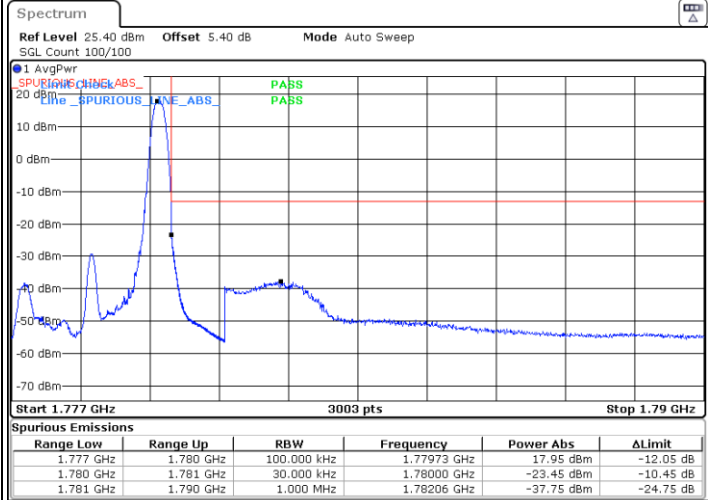


LTE Band 66 / 3MHz / 64QAM

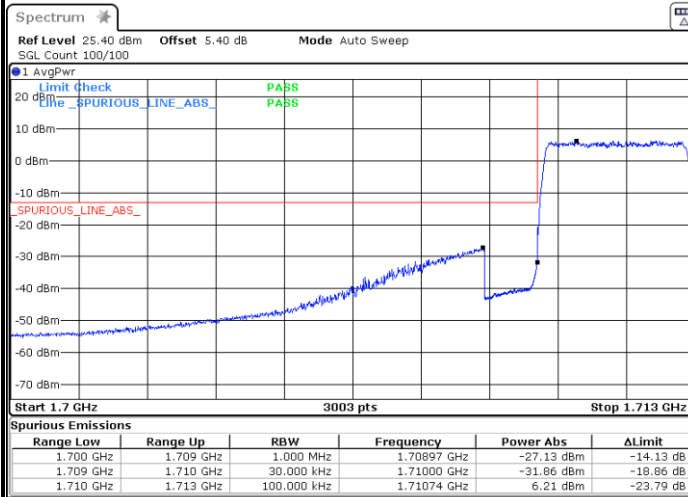
Lowest Band Edge / 1 RB



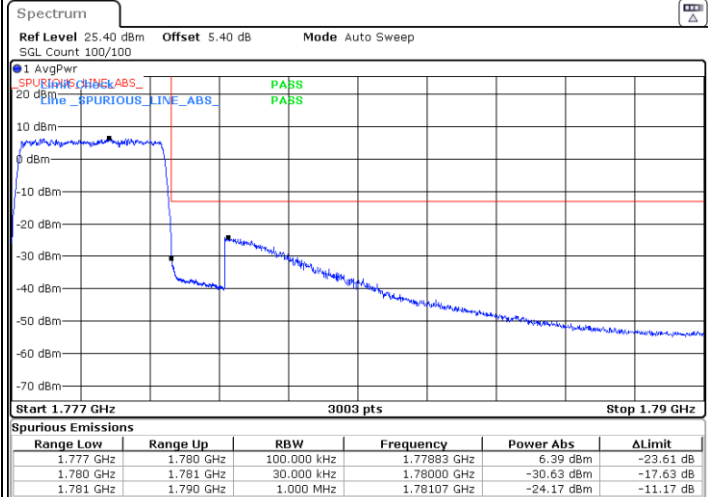
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



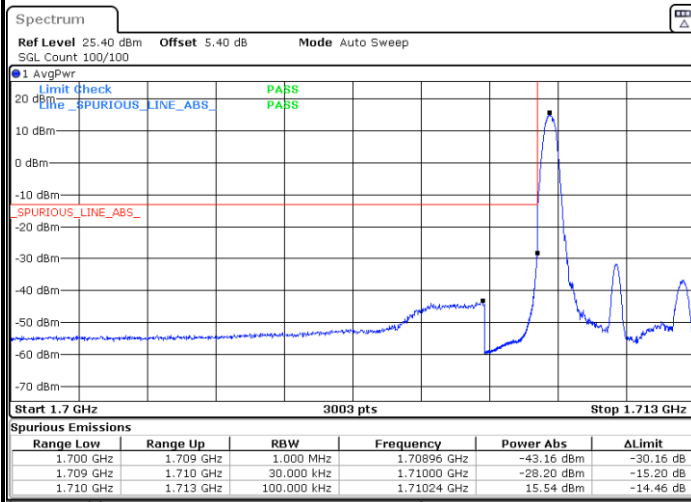
Highest Band Edge / Full RB



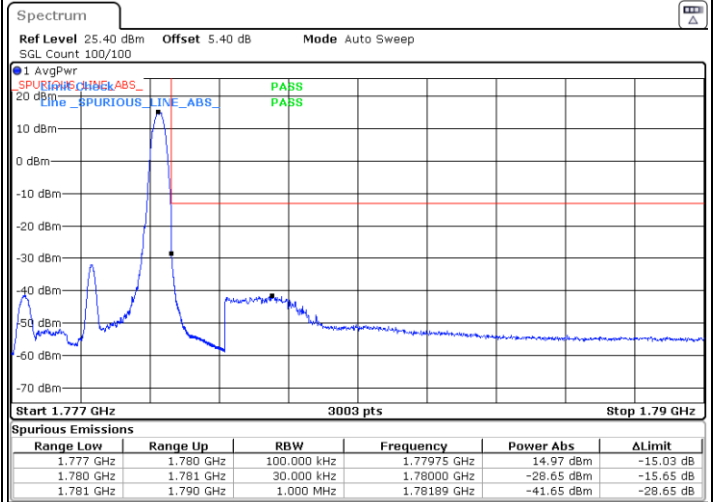


LTE Band 66 / 3MHz / 256QAM

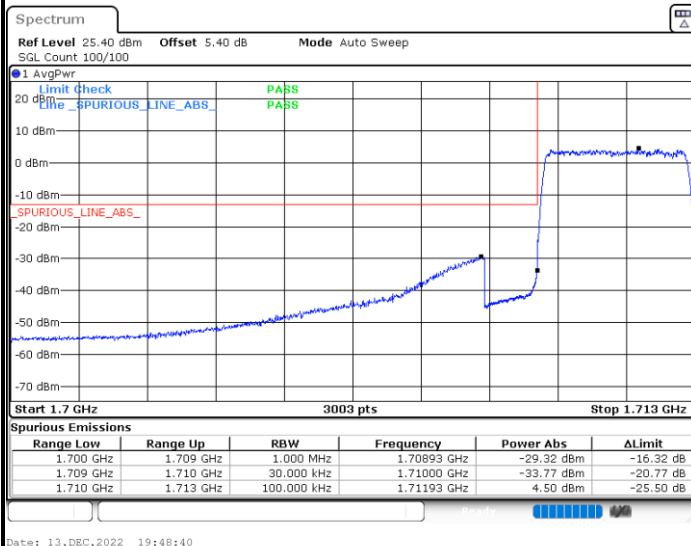
Lowest Band Edge / 1 RB



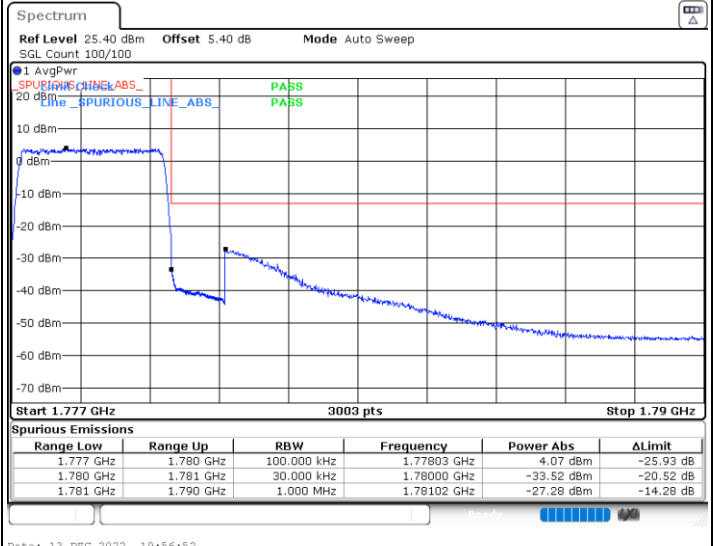
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



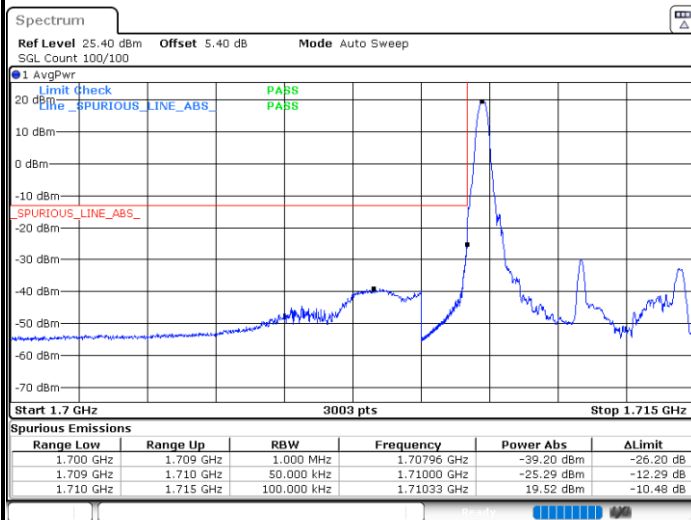
Highest Band Edge / Full RB



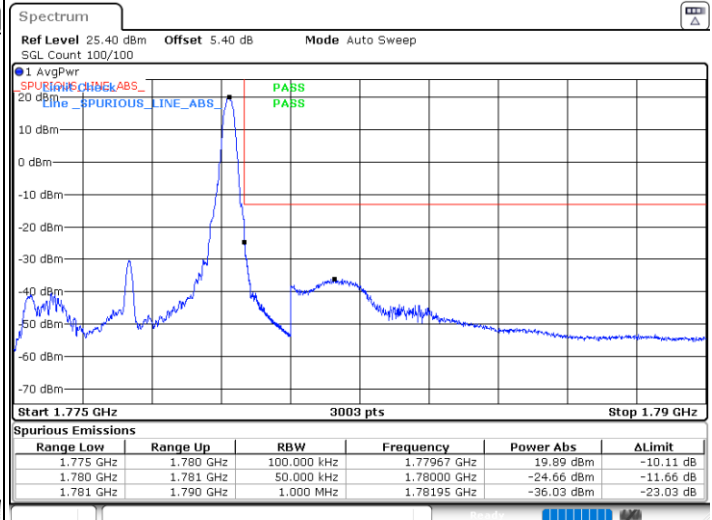


LTE Band 66 / 5MHz / QPSK

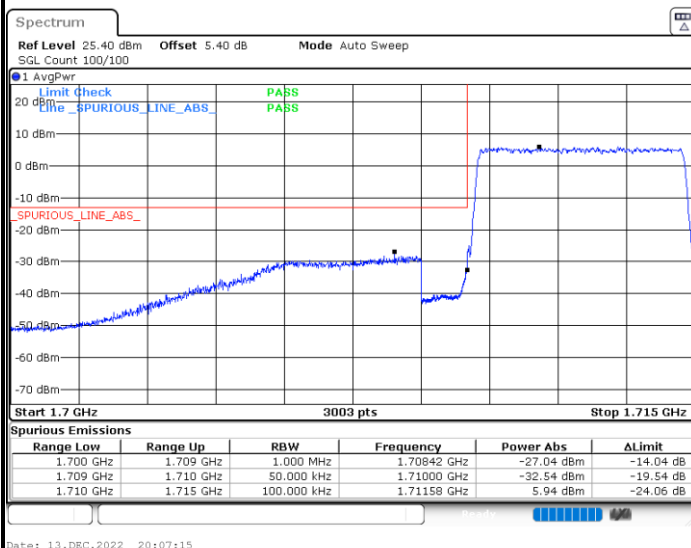
Lowest Band Edge / 1 RB



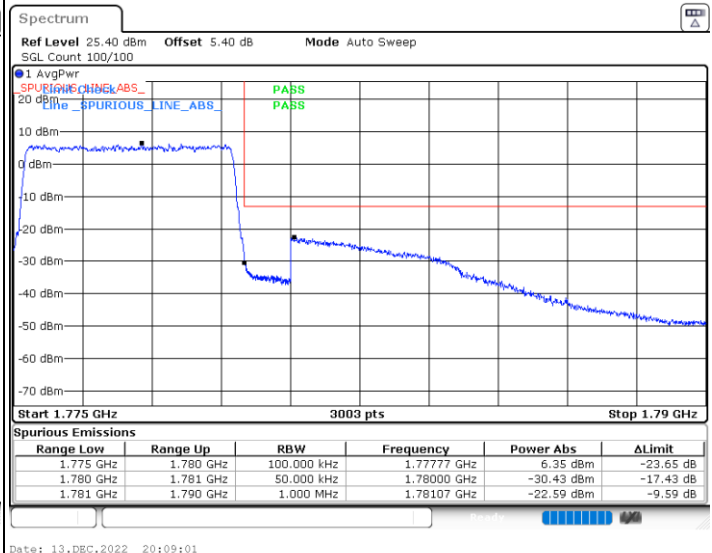
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



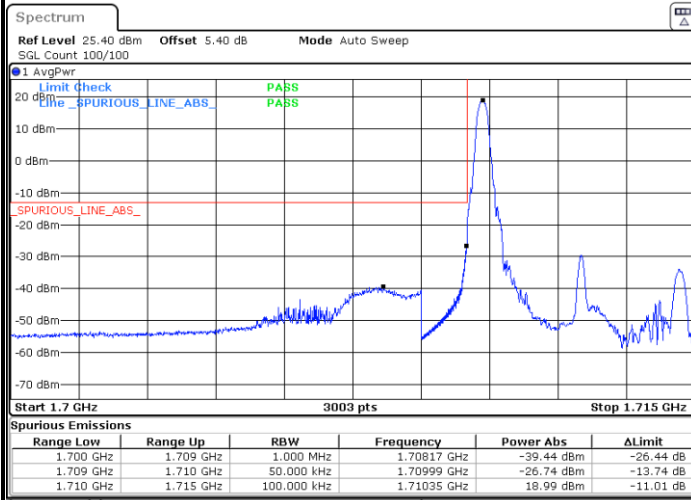
Highest Band Edge / Full RB



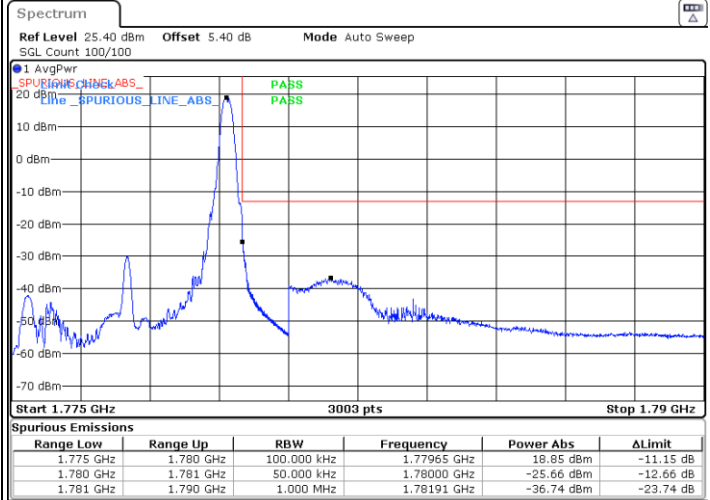


LTE Band 66 / 5MHz / 16QAM

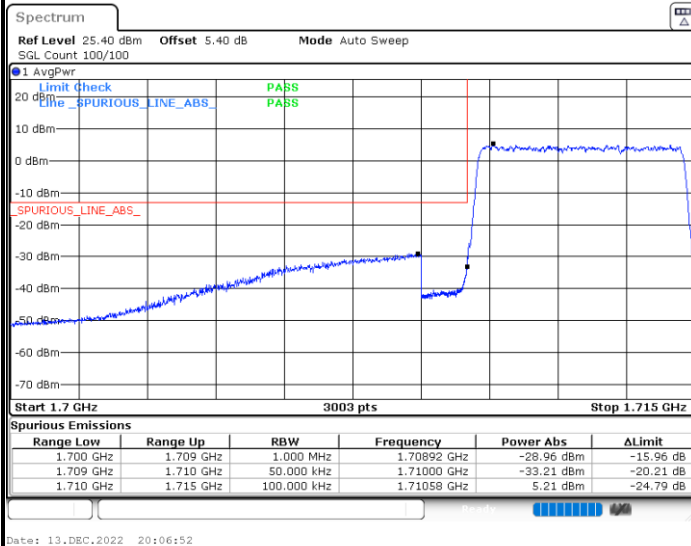
Lowest Band Edge / 1RB



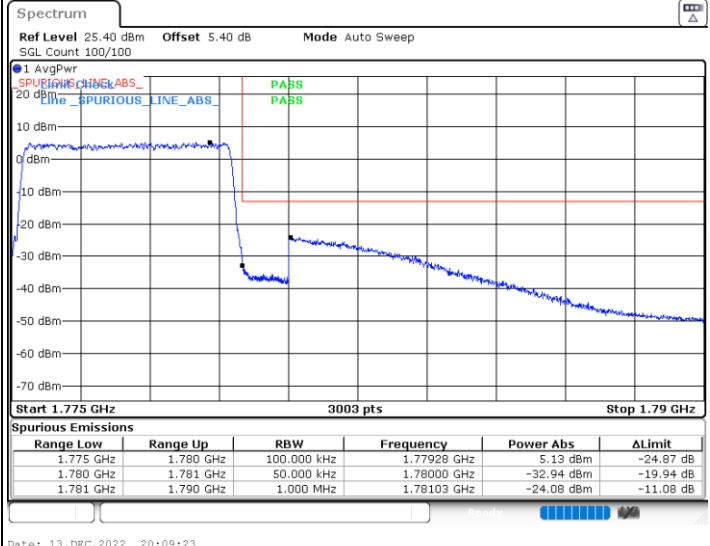
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



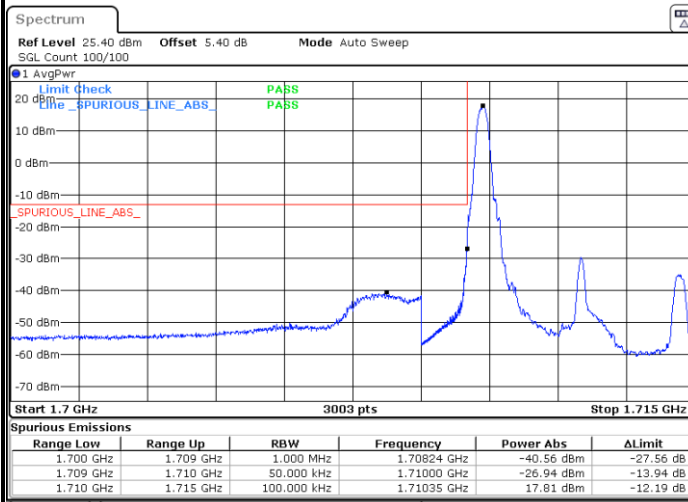
Highest Band Edge / Full RB



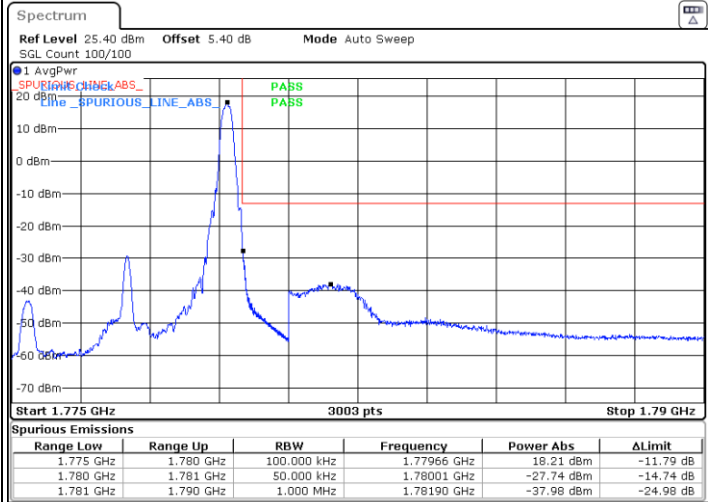


LTE Band 66 / 5MHz / 64QAM

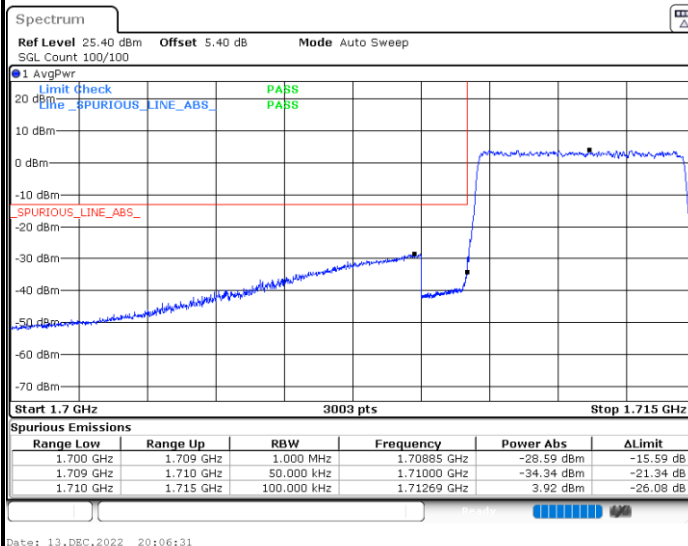
Lowest Band Edge / 1RB



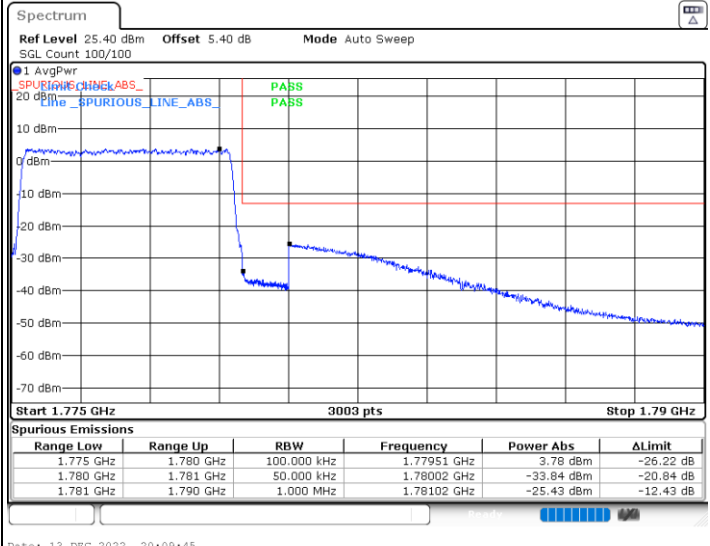
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



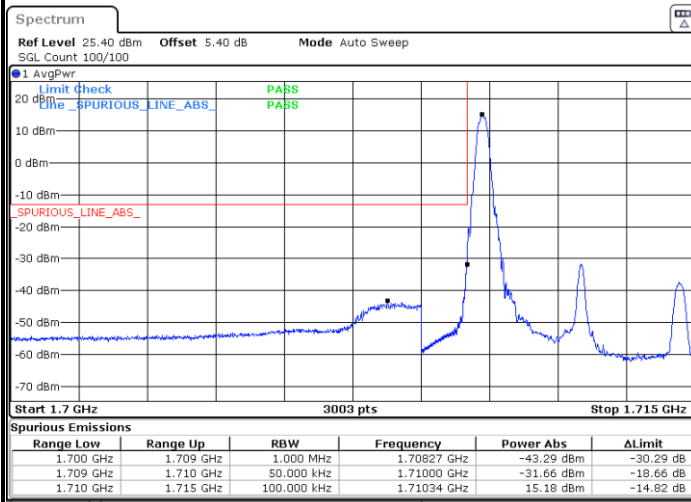
Highest Band Edge / Full RB



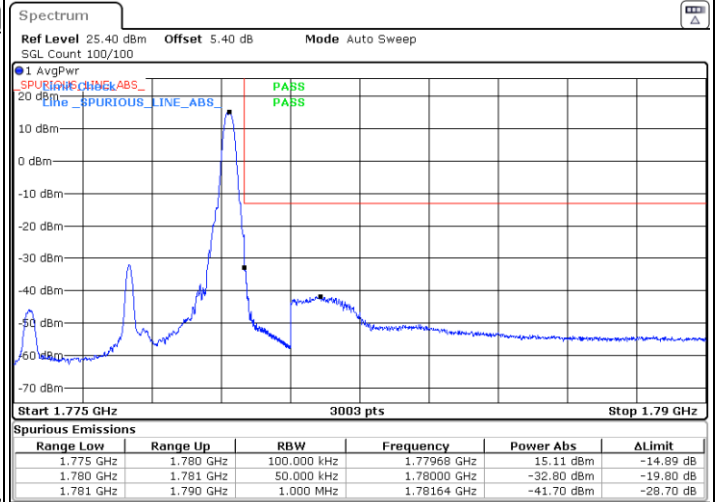


LTE Band 66 / 5MHz /256QAM

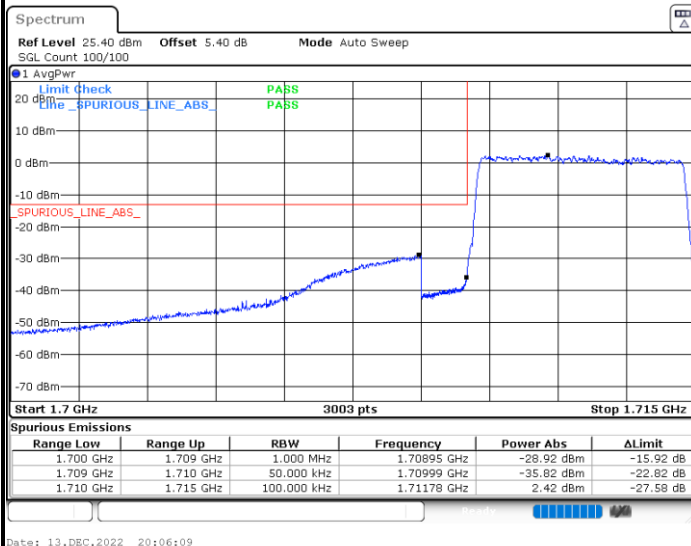
Lowest Band Edge / 1RB



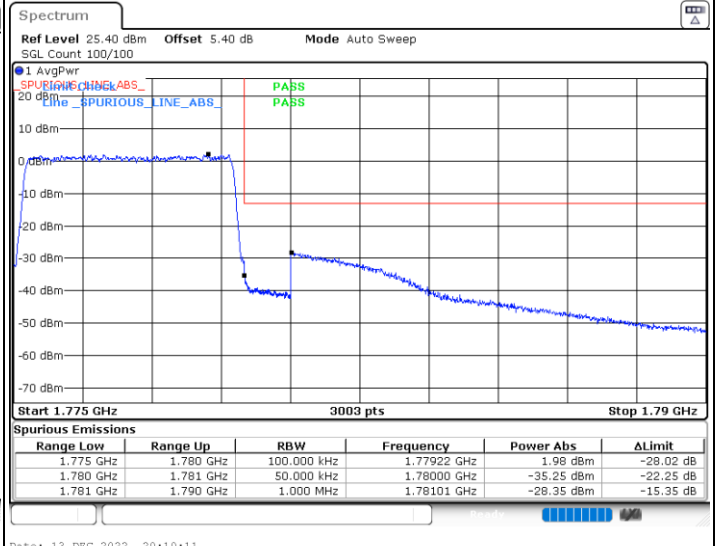
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



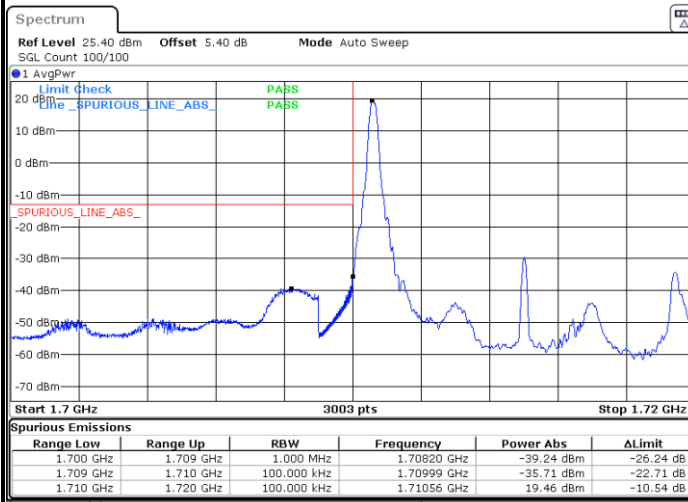
Highest Band Edge / Full RB



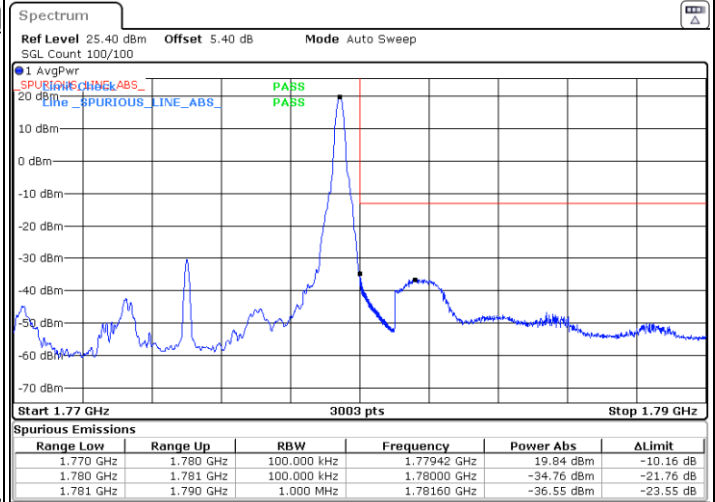


LTE Band 66 / 10MHz / QPSK

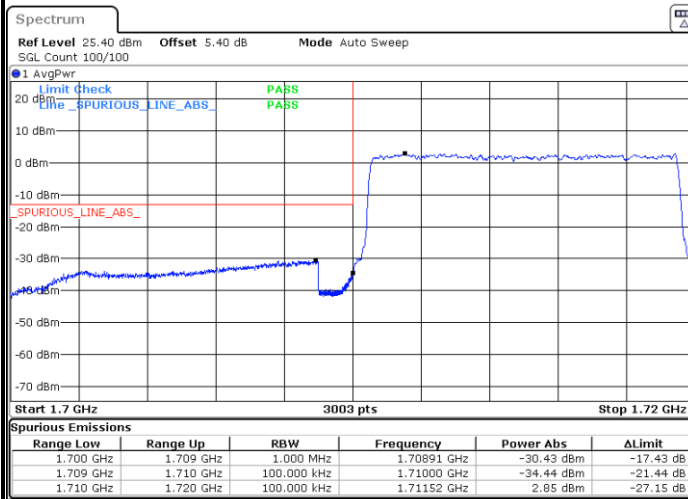
Lowest Band Edge / 1 RB



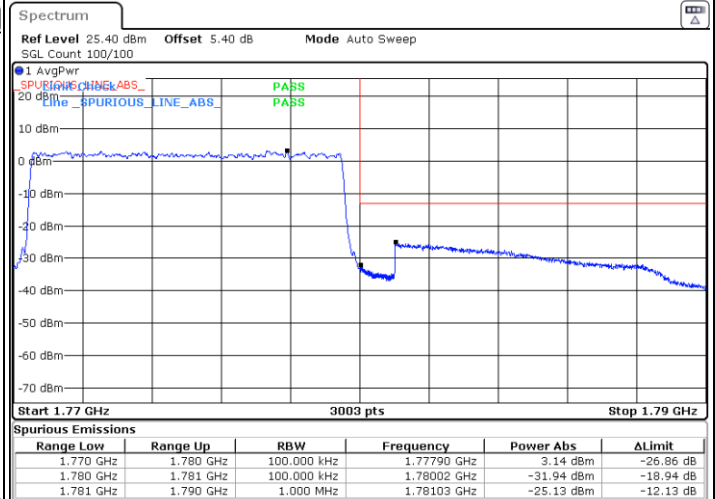
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



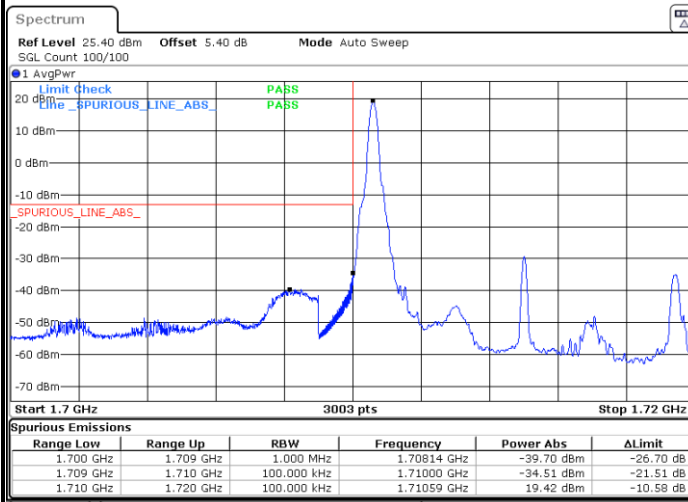
Highest Band Edge / Full RB



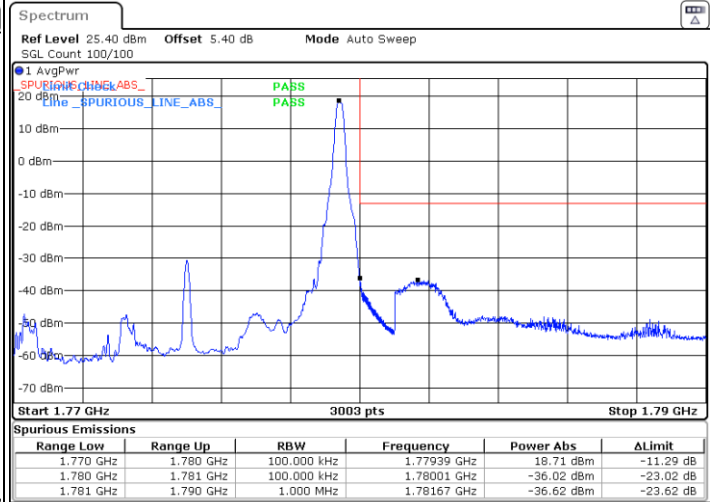


LTE Band 66 / 10MHz / 16QAM

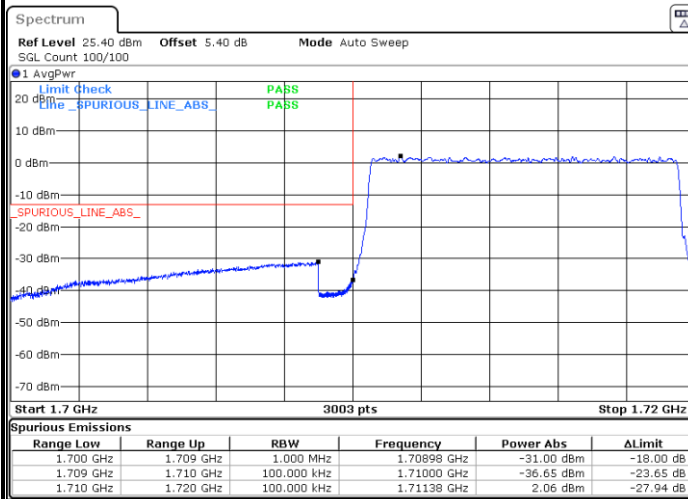
Lowest Band Edge / 1 RB



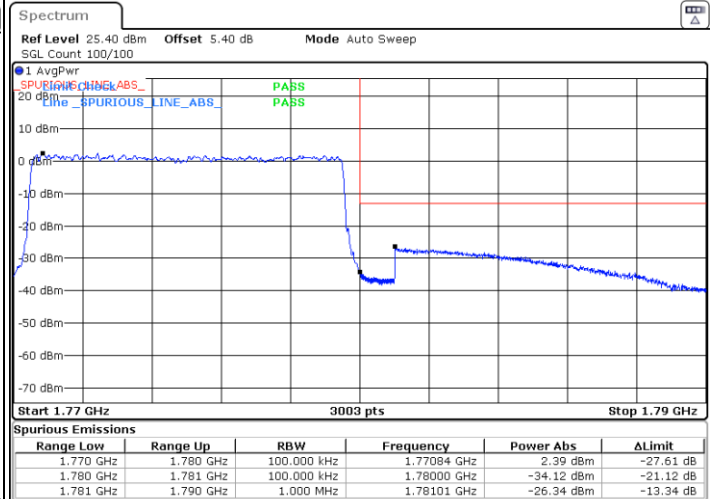
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



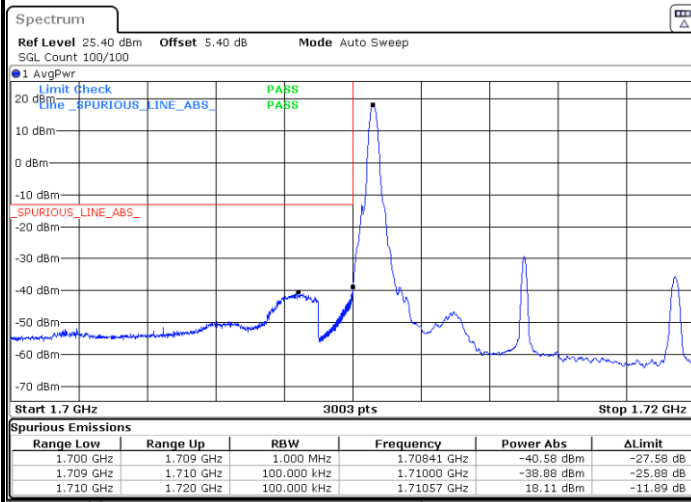
Highest Band Edge / Full RB



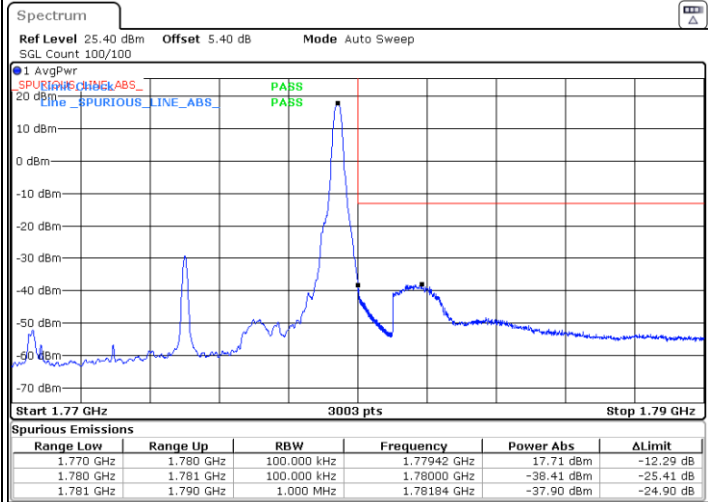


LTE Band 66 / 10MHz / 64QAM

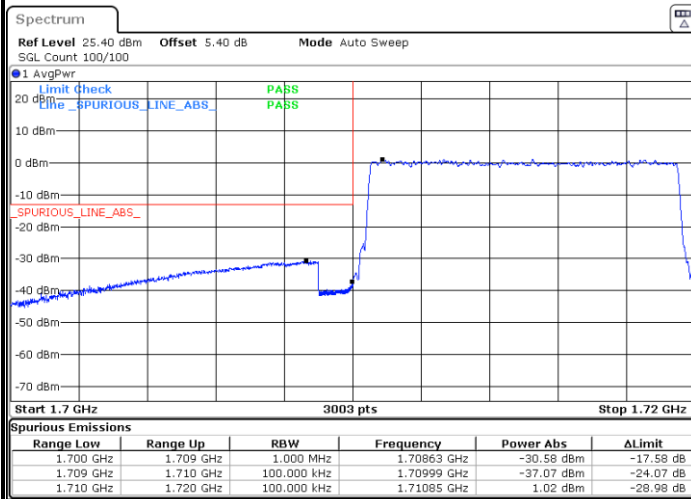
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

